CENTENARY
COLLEGE OF LOUISIANA

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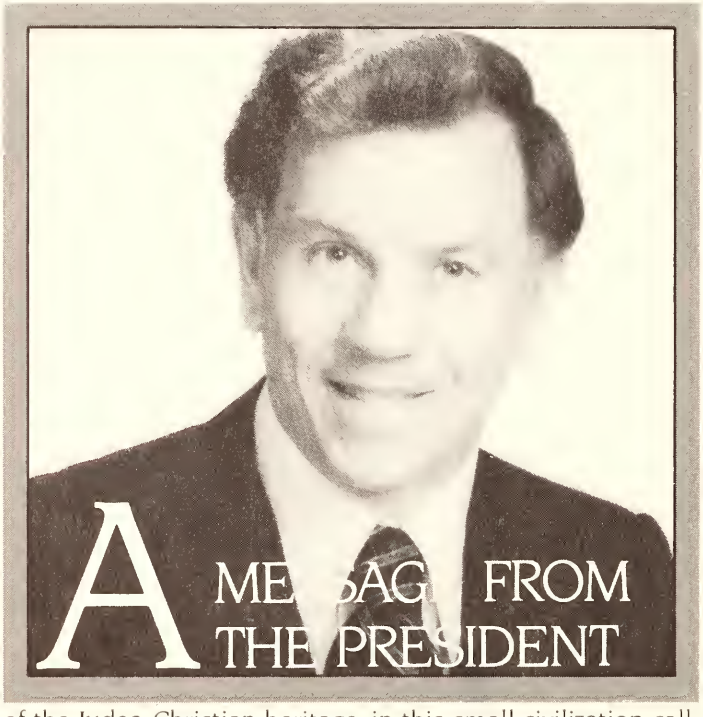
CENTENARY COLLEGE OF LOUISIANA
UNDERGRADUATE CATALOGUE
1986-1987

CENTENARY
IS AN EQUAL OPPORTUNITY EDUCATIONAL INSTITUTION

Centenary College does not discriminate on the basis of race, color, religion, sex, or handicap; in the admission of students to the College; in any of the rights, privileges, programs, and activities generally made available to students at the College; in the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other programs administered by the College; or in the employment practices of the College. The College designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title IX of the Educational Amendments of 1972 and the Internal Revenue Service is Mr. Harold Bond. The College follows the guidelines for records established by the Family Educational Rights and Privacy Act (1974).

A MESSAGE FROM THE PRESIDENT



CENTENARY COLLEGE, since its founding in 1825, has long held a leadership role in higher education, and we owe much to its traditions of quality.

But the vision of the campus community is forward, not back. Each generation comes gradually to its own aspirations. As I sense the consonance of goals emerging here, they cluster around five objectives for Centenary:

First, and obviously, the nurture of that academic excellence for which the College is distinguished: first-rate professional programs, solidly based on rigorous liberal-arts education, and the disciplines of Western civilized life;

Second, the intentional struggle for an ethos here, a character of life, that is humane, moral, decent; we are committed to a spirit and to standards that actuate the best of the Judeo-Christian heritage, in this small civilization called Centenary;

Third, producing for our campus community and the region, rich cultural offerings, in music, drama, artworks, landscape, books, presentations by noteworthy speakers —to be a center of fine culture, here;

Fourth, to strive for the best athletic program we are capable of; Centenary's reputation for athletic superiority goes back sixty years;

And fifth, to uphold freedom with responsibility, in personal behavior, in commerce, in relationships; we are independent by our charter and our nature, and glad to be so.

In a real sense, these are one aspiration, one objective: what we've called "quality of life" here.

This catalog will give you some idea of our life at Centenary; it is an invitation to become part of it.

Sincerely,

Don Webb

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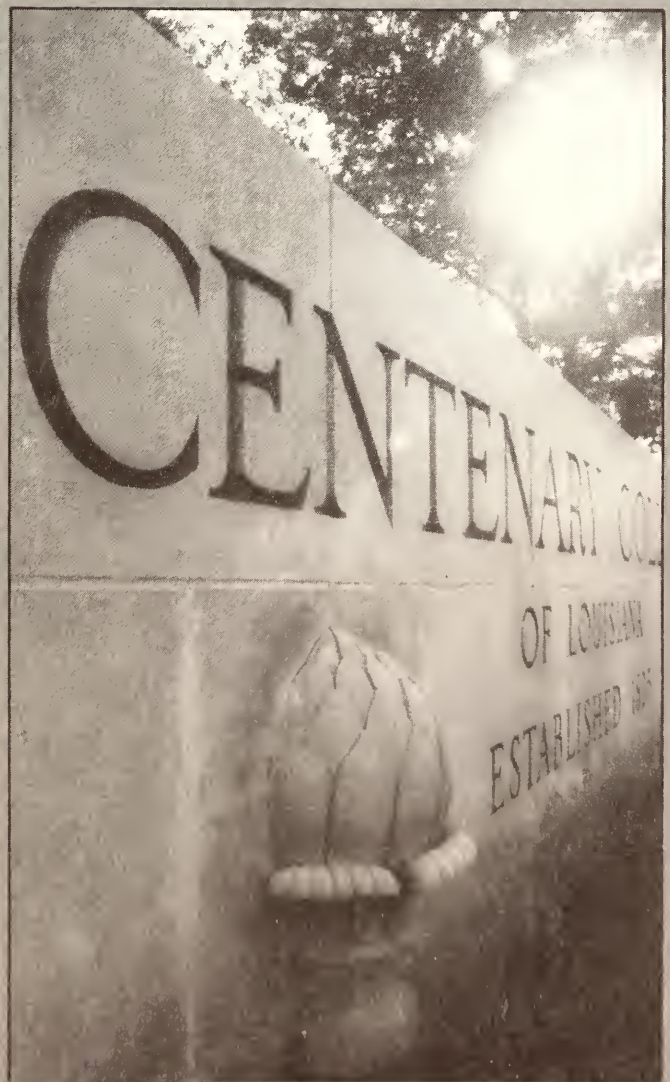


ACADEMIC CALENDAR 1986-87

FALL SEMESTER 1986

Pre-registration Faculty Conference	9 a.m.-4:30 p.m.	August 22
Dorms open for new students	10 a.m.-1 p.m.	August 24
Orientation		August 25 and 26
Dorms open for returning students	1 p.m.-6 p.m.	August 26
New Student Advising	8 a.m.-12 noon	August 27
Completion of pre-registration (returning students)	8 a.m.-12 noon	August 27
Registration for new students	1 p.m.-4 p.m.	August 27
Class work begins	8:20 a.m.	August 28
Last day for enrolling, adding courses or changing sections		September 5
Fall break begins	3:00 p.m.	October 17
Fall break ends	8:20 a.m.	October 22
Mid-semester grades due	Noon	October 17
Last day for dropping courses or changing enrollment status		October 30
Thanksgiving recess begins	3:00 p.m.	November 26
Thanksgiving recess ends	8:20 a.m.	December 1
Last day for removing incomplete grades from preceding semester		December 2
Preparation Week		December 4-10
Class work ends		December 9
Pre-registration	8 a.m.-2 p.m.	December 10
Semester exams		December 11-17
Dorms close	2:00 p.m.	December 18

INTERIM 1987

Interim registration	8 a.m.-2 p.m.	December 10
Dorms open	1:00 p.m.	January 4
Class work begins		January 5
Last day for enrolling or changing sections		January 8
Last day for dropping courses		January 15
Class work ends		January 23
Dorms close	2:00 p.m.	January 24
Interim grades due		February 6

SPRING SEMESTER 1987

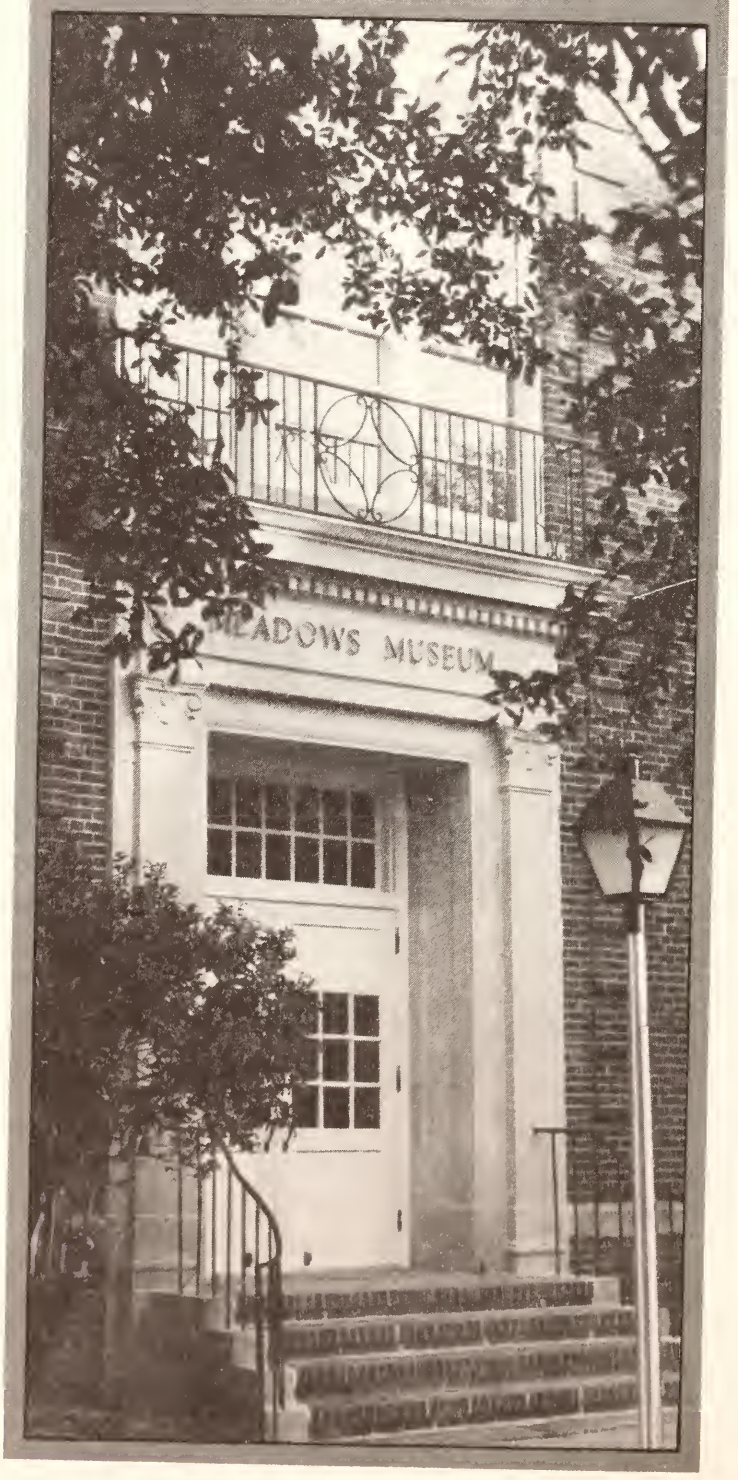
Dorms open	1:00 p.m.	January 27
Registration	8:30 a.m.-4 p.m.	January 28
Class work begins	8:20 a.m.	January 29
Last day for enrolling, adding courses, or changing sections		February 10
Mardi Gras Holiday begins	3:00 p.m.	February 27
Mardi Gras Holiday ends	8:20 a.m.	March 4
Mid-semester grades due	Noon	March 13
Last day for dropping courses or changing enrollment status		March 31
Spring recess begins	3:00 p.m.	April 10
Spring recess ends	8:20 a.m.	April 21
Last day for removing incomplete grades from preceding semester		April 10
Preparation Week		May 13-15
Class work ends		May 15
Pre-registration	8 a.m.-2 p.m.	May 18
Baccalaureate & Commencement	2:30 p.m.	May 23 (Sat.)
Semester Exams for graduating seniors		May 16-19
Semester Exams for all others		May 19-23
Dorms close	2:00 p.m.	May 24

SUMMER SESSION 1987

Dorms open	1:00 p.m.	June 7
Registration		June 8
Four-week courses -	1st Session	June 9-July 6
meeting 55 min. daily	2nd Session	July 7-July 31
Eight-week courses meeting 55 min. daily		June 9-July 31
Independence Day Holiday		July 4
Last day for enrolling, adding courses,		
or changing sections	1st Session	June 11
	2nd Session	July 9
Eight-week courses		June 12
Last day for dropping courses or		
changing enrollment status	1st Session	June 18
	2nd Session	July 16
Eight-week courses		June 25
Dorms close	2:00 p.m.	August 1

II.

CENTENARY COLLEGE



A liberal arts education is the most fundamental and broadly empowering of all the varieties of education. As a liberal arts institution, Centenary College endeavors to prepare its students for the fullest and most harmonious realization of their potential as individuals and, through them, to promote the well-being of society. Centenary has established the following goals for its students:

To perceive, think, write, and speak clearly.

To become free from the provincialism of the present.

To study the best that human beings have thought, said, and done.

To serve society by exemplifying the highest Christian ethic.

To develop a capacity for synthesizing ideas.

To prepare for responsibility in the family, the community, the nation, and the world.

To foster an awareness and appreciation of other cultures.

To acquire a detailed and systematic knowledge of a specialty.

To cultivate the personal qualities of integrity, honesty, tolerance, and courage.

Centenary seeks to accomplish these objectives in a variety of ways, but we agree that they are best realized within the context of a liberal arts education.

Because communication may be the most important determinant for personal and professional success, Centenary aims to prepare its students to perceive, think, write, and speak clearly. The most effective and persuasive communication begins with clear perception, is informed by knowledge and logical thinking, and is achieved with imagination and taste. The College expects its students to achieve a high level of proficiency in writing and speaking.

Another principal goal of liberal education is to liberate students from the constraints and limitations of individual consciousness and to enable them to achieve historical perspective. To this end, Centenary seeks to provide its students with a basic understanding of human affairs and to introduce them to the best that human beings have thought, said, and done, that they may understand, enjoy, and, ultimately, enhance these achievements. The College endeavors to cultivate in its students the capacity to view the events of the past and the critical issues of the present within increasingly wider contexts. In making our cultural heritage accessible to students, Centenary intends to establish the basis for a common discourse, without which there can be little meaningful sense of community.

Centenary's residential campus with its beautiful gardens and park-like areas fosters a strong sense of place and provides a physical basis for the spirit of community the College strives to cultivate. Centenary believes that the sharing of experiences among members of a diverse, but tolerant, group contributes significantly to the education of its students. In this setting the College seeks to create an experience which is both valuable in itself and a touchstone for a lifetime of productive growth.

As an institution of the United Methodist Church, Centenary is committed to cultivating in its students an awareness and appreciation of the values of the Judeo-Christian tradition with its emphasis on the dignity of the individual, its reverence for truth, and its compassionate understanding of human weaknesses and aspirations. At the same time, the College is unequivocally committed to the principle that in an open universe individuals must be free to examine, refine, and, ultimately, to select their own values. Recognizing that while some values are enduring, others change with changing circumstances and with the growth of knowledge, Centenary does not seek to indoctrinate its students with ready-made values but teaches them what values are, how they are formed, and prepares them to select their own.

Centenary aims not only to impart to its students knowledge of the fine arts, humanities, mathematics, natural and social sciences, but also to make them aware of the assumptions, methods, scope, strengths, and limitations of these diverse fields of

inquiry. We believe that human affairs are better understood and that the analysis of certain problems is often more productive when illuminated with the insights of various disciplines. In this connection, Centenary wishes to empower its students with an understanding of principles and a capacity for synthesizing ideas. Facts are basic, but of far greater importance are the principles and theories which give meaning to facts.

Centenary seeks to prepare its students for responsibility in the family, the community, the nation, and the world. If the purpose of civilization is to enhance the well-being of the individual, Centenary is convinced that, in turn, individuals must become aware of the immense debt they owe to the countless men and women whose efforts and sacrifices throughout the ages have built and preserved civilization. The College believes that each individual has the responsibility to contribute to the continuation of the fragile process of civilization.

Centenary holds that knowledge of other cultures plays an important role in freeing students from individual and cultural narcissism and in preparing them for living in our highly interdependent contemporary world. Liberal education is a process entailing growth in many dimensions, a going from the known and familiar to the strange and unfamiliar, and from the sometimes monotonous confines of what one already **is** to the exciting possibilities of what one **can be**. Cross-cultural knowledge contributes significantly to this process of growth and, indirectly, to the continued vitality of the nation.

The attainment of depth in at least one field of knowledge is both a prime requisite of liberal education and a means of preparing students to earn a living. Only through a detailed and systematic knowledge of a specialty can a person be consistently productive in that field. Still, at Centenary such in-depth education takes place within the framework of liberal education, which equips students to bring to their chosen careers the broadest possible powers of intelligence, resourcefulness, judgment, and character. Also, Centenary aims to prepare students for graduate study and provides them opportunities through internships to integrate theory and practice in their fields.

In keeping with its goal of developing the whole person, Centenary encourages its students to become physically fit and to acquire habits and sports skills that will yield pleasure and promote physical fitness through-out their lives.

Centenary aspires to nurture in its students a habit of intellectual curiosity, a thoughtful scepticism, a zest for learning, and the ability to act on rather than merely react to circumstances. The College strives to prepare its students for a life of integrated intellectual, emotional, aesthetic, social, and moral growth, for a full and joyous life. The liberally educated person characteristically exemplifies the qualities of civility, tolerance, integrity, loyalty, rationality, courage, and judgment. Centenary seeks students who are willing to commit themselves to these principles and goals.

Established in 1825 as the College of Louisiana, in Jackson, the school merged in 1848 with Centenary College, which had been founded six years earlier by The Methodist Church in Clinton, Mississippi. In 1908, accepting a generous offer of land and support from the Atkins family and a group of friends, the College moved to Shreveport.

Centenary College is fully accredited by the recognized regional and national agencies and is approved by the University Senate of The United Methodist Church. Centenary is a member of the Southern Association of Colleges and Schools.[1]

[1]Also, the College maintains membership in the American Association of Collegiate Registrars and Admissions Officers, the American Association of University Women, the Conference of Louisiana Colleges and Universities, the Council for Advancement and Support of Education, the Institute of International Education, the Louisiana Academy of Science, the Association of Departments of English of the Modern Language Association, the National Association of Schools and Colleges of The United Methodist Church, the National Association of Schools of Music, and the Southern College University Union, Inc. Centenary College is a participant in the Common Application Program. The College is also listed in *Peterson's Competitive Colleges*. The undergraduate program in chemistry is approved by the American Chemical Society.

With a student/professor ratio of twelve to one, the classes at Centenary range in size from thirty students in popular introductory courses to six to ten students in junior and senior seminars.

Centenary College is especially and justly proud of its faculty, many of whom are nationally and internationally known authorities in their fields of study. Over two-thirds of the faculty hold terminal degrees. Eleven members of the faculty and staff have earned the coveted key of Phi Beta Kappa. Thirteen have the honor of membership in Omicron Delta Kappa.

Within the past decade Centenary professors have been awarded an impressive number of research fellowships and study grants by the American Council of Learned Societies, the American Philosophical Society, the Henry E. Huntington Library, the National Science Foundation, and the National Endowment for for the Humanities. (There have been ten NEH awards to Centenary professors.) During that same period, Centenary faculty members have also been honored as Danforth Associates, Fulbright lecturers, national officers in professional associations, and visiting professors in American and European universities.

Shreveport is located on the west bank of the Red River in Northwest Louisiana. The metropolitan area has a population in excess of 300,000 and forms the geographical, cultural, and economic center of the region known as the Ark-La-Tex.

The climate of the area features pleasant spring and fall temperatures, consistently warm summers and mild winters, with cold periods of short duration. The average annual temperature is 66° Fahrenheit. Residents enjoy outdoor sports and recreation throughout the year.

The Shreveport area is a major producer of oil and natural gas.

Another important part of the local economy is Barksdale Air Force Base, the headquarters of the Eighth Air Force and one of the largest bases of the Strategic Air Command.

The city has many fine medical and health care facilities, including a state medical center, school of medicine and allied health, and many general hospitals.

Centenary College and members of the Shreveport community enjoy joint participation in cultural events. Opportunities in theater, muscial events, opera, dance, and the visual arts are offered on and off campus.

The sixty-five-acre campus of Centenary College, two miles south of downtown Shreveport, is widely known for its natural beauty and stately Georgian architecture.

CAMPUS BUILDINGS AND GARDENS

Brown Memorial Chapel. The College chapel was erected in 1955, through the generosity of the late Paul M. Brown, Jr., Chairman Emeritus of the Board of Trustees, and his brother, Colonel S. Perry Brown, a life member of the Board, in honor of their parents.

Bynum Memorial Commons, the cafeteria, built in 1956, was named in 1974 to honor Robert Jesse Bynum, New Orleans businessman and benefactor of the College.

The Pierce Cline Residence Hall for Men was named for the twenty-ninth President of Centenary and opened in 1963 to house 136 male students.

Crumley Memorial Gardens. These beautifully landscaped gardens, where azaleas bloom each spring, were a 1954 gift of the late Howard Crumley and Mrs. Crumley in honor of their son, David Howard Crumley.

Frost Memorial Fountain and Rose Garden. This lovely garden, in front of the Student Union Building, was a gift (1954) of Edwin Frost Whited in memory of his grandfather, Edwin Ambrose Frost.

The Gold Dome. Completed in 1971, this excellent physical education facility with the geodesic dome serves as the home basketball court and gymnastics arena for the Centenary Gentleman and Ladies.

Hamilton Hall, the administration building, also completed in 1971, was largely the result of gifts by the late Mr. and Mrs. David Philip Hamilton. Mrs. Hamilton was a trustee of the College and a member of the first Centenary class to graduate in Shreveport.

The John A. Hardin Memorial Residence Hall for Women opened in 1958 for 68 women residents; its name honors a former dean and professor of mathematics at Centenary.

The W. A. Haynes Memorial Gymnasium, presently used for intramural, physical education, ROTC, and art activities, was built in 1936; its name honors a Shreveport oilman who was a generous benefactor of Centenary programs in the 1920's and 30's. In 1985 the gymnasium was renovated through gifts from friends of the College.

The Hodges Rose Garden. In 1983, through gifts from Mr. and Mrs. G. W. James, this garden was constructed and endowed in the memory of Mrs. Addie Reynolds Hodges and Mrs. Maggie Hodges James, the grandmother and mother of the donors. This beautiful garden has over twenty different types of plants and provides a peaceful setting for study and relaxation.

The Ed E. Hurley Memorial Music Building and the Gladys Hurley School of Music honor the memory of the late Mr. and Mrs. Hurley, long-time patrons of the College.

Jackson Hall. The present structure was erected in 1941 on the site of the first Jackson Hall (1908), both named for the original location of the College.

The T.L. James Residence Hall for Women. This dormitory was a gift of the T.L. James family of Ruston, Louisiana.

The Marjorie Lyons Playhouse, one of the most beautiful and well-equipped college theatres in the country, was a 1958 gift of trustee Charlton H. Lyons and his family.

The John F. Magale Memorial Library, the academic heart of the College, was opened in 1963 and presently has approximately 157,000 volumes, 902 current periodicals, and 1,000 paintings and *objets d' art*. In 1974 it was named for Mr. Magale, a Shreveport oilman and major contributor to the College during his lifetime.

The Meadows Museum of Art. In 1976, through a gift of the late Algur H. Meadows, an alumnus, this building, which housed administrative offices from 1925-1971, was transformed into a lovely art center; on permanent display in it is the Jean Despujols Collection of Indochinese Art.

The Joe J. Mickle Hall of Science. The late Joe J. Mickle was President of Centenary from 1945-1964. The science building was completed in 1950 and named for him in 1964. Also located in this facility are the Computer Center, the Barrow physics laboratories, and the rehearsal hall of the Centenary College Choir. W. Russell Barrow furnished the laboratories in honor of his mother, the late Addie Johnson Barrow. Trustee Gertrude Anderson furnished the rehearsal hall. In addition, Mr. and Mrs. George Wray were major contributors to the establishment of the building.

The Randle T. Moore Student Center, commonly called the SUB (Student Union Building), was built in two stages: the first, in 1938; the second, in 1958 with the generous support of the benefactor whose name it bears.

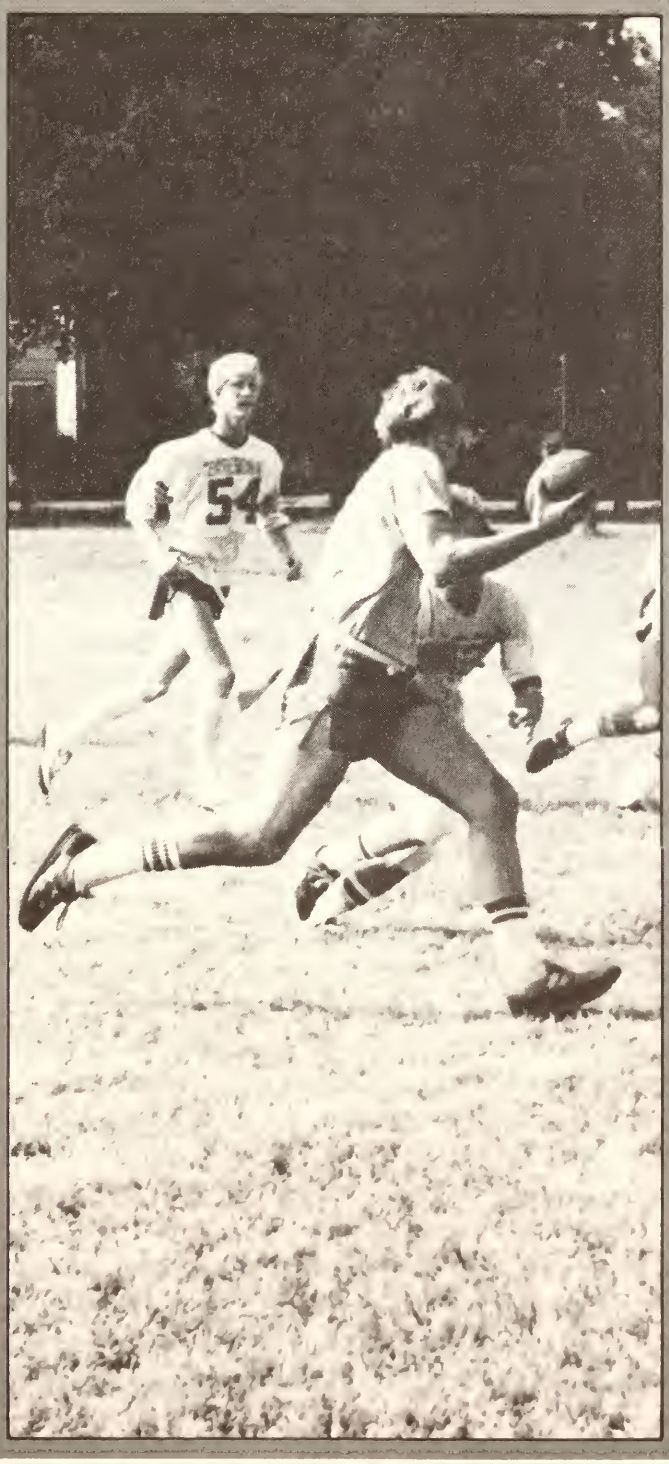
The Rotary Residence Hall for Men, built by the Rotary Club of Shreveport in 1926, was remodeled in 1954, and again in 1965. It now houses 136 male residents.

The George S. Sexton Memorial Residence for Women, housing 189 females, was built in 1960 and named for the man who served as President of Centenary from 1922-1932.

The Dean R.E. Smith Building. The Louisiana Conference of The United Methodist Church funded this building in 1961 and named it for the late Dean R.E. Smith, Centenary professor of Biblical literature for twenty-nine years. It contains the Nellie P. Kilpatrick auditorium, in memory of the distinguished lady who was named Honored Trustee by act of the Board of Trustees.

III.

LIFE ON CAMPUS



Students from all sections of the United States and several foreign countries compose the student body of Centenary College. Approximately 75 percent come from the Ark-La-Tex. A large number reside on campus.

RESIDENCE HALL LIVING

The College makes every effort to create an environment for learning that is conducive equally to personal growth and to complete involvement in campus living.

All full-time students, except married students and those living with their families, are required to live on campus and to purchase meals in Bynum Commons. Other exceptions to this requirement are listed in the Centenary College Student Handbook and must be approved by the Dean of Students prior to registration.

The five residence halls, three for women and two for men, are all air-conditioned. Rooms are assigned on the basis of applications made each semester. Whenever possible, a student is assigned to his choice of room and residence hall. There is a resident director in each hall, and student resident assistants provide supervised peer counseling, leadership, and direction.

MEALS

The College offers the student a choice of a full meal plan (20 meals per week) or a 2/3 meal plan (any 14 meals per week). With the approval of a physician and the Food Service Director, special diets may be provided.

Sandwiches and snacks may be purchased at the Coffeehouse in the Moore Student Center.

MOORE STUDENT CENTER (SUB)

The SUB is at the center of the campus. It houses the bookstore, post office, faculty lounge, offices for the student radio station (KSCL), student year-book (the **Yoncopin**), Student Government Association, student newspaper (the **Conglomerate**), and directors of student activities. The office for part-time employment is located on the second floor. Also included in the SUB are a lounge area and a room with ping pong, pool, and various electronic games.

The SUB offers a comfortable atmosphere for studying and relaxing to music via the centrally installed stereophonic system. The Coffeehouse, in addition to serving an assortment of food from sandwiches to ice cream, has a wide screen TV/Cablevision/VCR.

STUDENT GOVERNMENT

Centenary traditionally has supported and encouraged student government, and students now serve as full voting members on most committees of the College. The College has delegated considerable authority to the Student Senate, the Honor Court, the Judicial Board, and the Dorm Councils. The officers and members of the Senate are the elected representatives of the entire student body.

THE HONOR SYSTEM

The Honor System is binding upon all students and is applicable to all academic work. Students administer the Honor Code through an Honor Court of five justices chosen by them from nominations of the faculty and student body.

The Honor System is based upon the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both faculty and students.

HEALTH CARE

All full-time students are covered by an accident insurance policy. Coverage for medical expense for illness, however, must be provided by the individual.

Students not covered by a family medical policy should consider the advisability of seeking coverage to help defray medical costs incurred because of health problems. Medical facilities are located close to campus; however, costs for medical care are handled on a private patient basis.

COUNSELING

The Dean of the College, faculty advisers, Dean of Students, and staff counsel students on personal, social, and residence hall concems as well as on matters relating to the Greek organizations. Also available for counseling of this nature are the Chaplain, the Director of Student Activities, and members of the Department of Psychology.

STUDENT EMPLOYMENT

Students who desire off-campus employment should contact the Office of Student Employment.

The office for part-time employment is located on the 2nd floor of the Student Center.

Students who desire on-campus employment should contact the Office of Financial Aid.

The Department of Education has a separate office for placement of teachers.

RELIGIOUS SERVICES AND ORGANIZATIONS

Brown Memorial Chapel offers many opportunities for worship and private meditation. The Chaplain coordinates religious services and programs. Other special programs are sponsored by the School of Church Careers.

Centenary students are regular participants in churches and synagogues throughout the Shreveport area.

The Methodist Student Movement (MSM) is the organized ministry of the United Methodist Church to the campus. At Centenary, MSM sponsors regular weekly meetings, films, lectures, discussion groups, and spring and fall retreats which are dedicated to Christian fellowship and to questions conceming the relationship of religious faith to higher leaming in the modem college. Programs of a similar nature are also provided by the Canterbury Club (Episcopal), the Baptist Student Union, and the Newman Club (Roman Catholic).

MUSIC

The Gladys F. Hurley School of Music provides opportunities for students to participate in campus organizations. Instrumentalists may audition for the College Band, the Jazz Band, the Centenary College-Community Symphony, the Shreveport Symphony, and various instrumental ensembles. Vocalists may find opportunities with the intemationally known Centenary College Choir, the Camerata and the Opera Theater. Additionally, as the regional center for concerts by solo recitalists, chamber music groups and the Shreveport Symphony Chamber Orchestra, the Hurley School of Music offers many varied concerts to both the College and the community.

THEATRE

The versatile Marjorie Lyons Playhouse makes it possible for Centenary to present imaginative and artistic drama and to provide diversified and entertaining dance programs. The Rivertowne Players is the theatrical organization for students.

FILM

The Centenary Film Society, a student-faculty group sponsored by the English Department, offers to the campus and the community a wide variety of classic and contemporary films. The Film Society offers narrative, experimental, animated, and documentary films weekly and Film Festivals monthly while the College is in session.

SPECIAL EVENTS

The Senate-sponsored Forums series brings to the campus renowned educators, political leaders, and other public figures. Also, students enjoy guest lecturers and entertainers representing all the arts. All-campus dances, professional entertainment, the Founders' Day picnic, all-campus revues, and all-campus weekends involve the entire community of the College.

Each year through the Willson Lecture Series outstanding lecturers in theology, philosophy, and education are brought to the campus. These guest lecturers are provided through the generosity of Dr. and Mrs. J.M. Willson of Floydada, Texas.

Centenary also participates in the Woodrow Wilson Visiting Fellows Program, which brings two distinguished lecturers a year to the campus. They spend a week meeting classes, eating in the cafeteria with students and faculty, hosting informal sessions with students, and giving an address open to the public. Outstanding diplomats, joumalists, corporation executives, and politicians have visited the College in this program.

The Free Enterprise Conference is held each spring. Students and business leaders listen to noted authorities and discuss relevant economic topics.

Women in Management is an annual conference which gives students and professional women in the community an opportunity to become more effective managers.

THE MEDIA

Student talent and opinion find expression in **The Conglomerate,** the weekly campus newspaper, and in the **Yoncopin,** the yearbook. Written and edited by students, **The Conglomerate** and the **Yoncopin** are financed by student fees and advertising.

KSCL-FM is the student-managed-and-operated 150-watt radio station broadcasting up to 65 hours per week. The station offers open format, experimental,educational, and public service programming to the South Shreveport community. Also financed by student fees, KSCL-FM meets the requirements and regulations of the Federal Communications Commission governing college stations.

PHYSICAL FITNESS AND ATHLETICS

Centenary provides a broad, general program of physical fitness. Courses in various physical activities include instruction in individual and team sports. Students are encouraged to participate in both intramural and intercollegiate competition.

Centenary has a well-equipped Physical Fitness Center in Haynes Gym.

Centenary sponsors thirteen intercollegiate athletic programs, seven men's sports and six women's sports. The men's teams - basketball, baseball, cross country, golf, riflery, soccer, and tennis - are members of the National Collegiate Athletic Association (NCAA) Division I. The men's teams are charter members of the Trans American Athletic Conference (TAAC). During the 1983-84 school year, Centenary athletes displayed their skills as they captured the prestigious Jesse C. Fletcher Trophy which is awarded to the best all-around program in the TAAC. The rifle team won the TAAC conference title in 1984 and 1985.

The women's teams - gymnastics, tennis, riflery, cross country, volleyball, and softball are affiliated with the National Association of Intercollegiate Athletics (NAIA). The gymnastics team won the national NAIA title in 1984 and placed second in 1985. The superior record of the tennis team has eamed it a national ranking in the NAIA the last five years, including number 2 in 1983, number 7 in 1984, and number 9 in 1985.

SERVICE AND DEPARTMENTAL ORGANIZATIONS

There are a number of clubs and organizations through which students may become more directly involved in campus life, including the Chemistry Club, the Math Club, the Physical Education Majors' Club, the Physics Club, the Pre-Law Club, and Rivertowne Players. There are also many honorary organizations on campus; these are described in the academic section of the catalogue.

In addition to the departmental and student service organizations there are many other activities in which students may become involved. Student Activities Advisory Council (SAAC) and Entertainment Committee provide opportunities for involvement. This represents only a partial listing of the many opportunities for student involvement in campus life.

SOCIAL FRATERNITIES AND SORORITIES

Greek social organizations at Centenary comprise four national fraternities and two national sororities. The fraternities are Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and Theta Chi; the sororities are Chi Omega and Zeta Tau Alpha. Fall rush initiates a full year of Greek activites coordinated by the Inter-Fraternity Council and the Panhellenic Council.

THE ALUMNI ASSOCIATION

The Centenary College Alumni Association is the organization through which each graduate maintains a lifetime of supportive interest in the College and its programs and communication with fellow former students. A network of class agents serves to inform Centenary's 9,000 alumni. Homecoming is held annually.

Homecoming activities are fun for students as well as alums.

Brown Memorial Chapel is a reminder of one family who has been actively involved with Centenary College for six generations.

IV.

ADMISSIONS

ADMISSION REQUIREMENTS

Centenary College offers admission without regard to race, sex, handicap, or religion. Students in college preparatory programs of accredited secondary schools, students desiring to transfer from accredited colleges and universities, and students presenting the General Education Degree (GED) are eligible to apply for admission.

UNDERGRADUATE APPLICATION REQUIREMENTS

Admission is based upon academic achievement, scores on the Standard College Entrance Examination, and personal qualities as demonstrated by information given in the application.

The applicant who is a high school senior must, by the time of enrollment, be a graduate of an accredited secondary school and present 15 units of academic work. Of these, 3 must be in English, 2 in history or other social sciences, 2 in mathematics (1 in algebra and 1 in geometry, or 2 in algebra, are recommended), and 1 in the natural sciences. An additional unit of English and 2 units of a foreign language are highly recommended.

DATES OF ENTRANCE

Freshmen and transfer students may enter in September, January (Interim) February, June, or July.

APPLICATION PROCEDURES

Application materials are available upon request. Centenary's application requirement consists of:

(1) APPLICATION FOR ADMISSION

All persons seeking admission must complete the application for admission. It is to be submitted with a nonrefundable ten-dollar ($10.00) fee to the Office of Admissions.

(2) TRANSCRIPTS

a. Freshmen applicants must have transcripts of their high school records sent to Centenary directly from their high schools.

b. Transfer applicants must have transcripts and transfer evaluation forms sent directly to Centenary by all the colleges they have attended.

(3) EXAMINATION RESULTS

All freshmen applicants are required to submit results from the Scholastic Aptitude Test (SAT) or the American College Testing program (ACT). Achievement tests are recommended but not required.

(4) EVALUATIONS AND RECOMMENDATIONS

It would be helpful, but is not required, to have a letter of recommendation submitted by a guidance counselor, teacher, Centenary alumnus, or other respected adult who knows the applicant well.

discretion of the admissions committee, results of the American College Test (ACT) or the Scholastic Aptitude Test (SAT) may be required.

EARLY ADMISSIONS

Gifted students completing their junior year in high school may apply to the College for admission as full-time students. Students entering under the early admission program do not receive their high school diplomas from Centenary, but begin college-level work earlier than normal. The requirements for early admission are stringent: 3 units of English, 3 of mathematics, 2 of natural science, and 2 of social science; the personal recommendations of the high school principal, guidance counselor, and parents, all in writing; junior-year ACT or SAT scores showing a high degree of aptitude and verbal skills (a 26 ACT composite or 1150 SAT composite); a 3-year high school transcript of outstanding achievement (3.5 or above in college preparatory subjects), and a personal interview with the committee on admissions, giving evidence of maturity and responsibility.

CONCURRENT ENROLLMENT

Outstanding seniors who wish to take courses at Centenary while continuing work toward the high school diploma may apply for concurrent enrollment. The standards for admission to this program are the same as for early admission. High school credit for work done at Centenary may be granted only with the approval of the high school.

Juniors in high school who request permission to take courses in summer school should submit an application to the office of admissions accompanied by a letter from one of their high school teachers. The committee on admissions will examine these materials.

TRANSFER ADMISSION

A transfer student is one entering Centenary from another institution of higher learning. A completed application for admission and transcripts showing all work attempted at other colleges or universities are required. The following policies apply to the transfer student:

(1) credit is transferred only from other regionally accredited institutions in courses in which a grade of "C" or better (or a "P") has been eamed, and only for courses in academic disciplines offered at Centenary. Some courses not regarded as college-level (such as remedial work) or consistent with the liberal arts tradition may not be transferred nor credited toward a degree. Grades from other institutions are not transferred, and cumulative averages are calculated only on work done at Centenary except for the calculation of graduation honors and rank in graduating class.

(2) after eaming sixty-four (64) semester hours at a junior college, a student may not take additional work at a junior college and have it apply toward a degree from Centenary.

(3) a student must complete all college, major, and supportive requirements for a degree at Centenary.

(4) official evaluation of transferred study will not be made until all transcripts or records have been submitted, the student has been admitted and has paid the necessary admission fees and deposits. To be acceptable as a transfer, a student must be eligible to retum to his previous institution and must exhibit at least a 2.0 average on the combination of all prior studies at the college level. If a student does not meet the above criteria, he may be admitted on a trial basis by a majority vote of the faculty subcommittee on admissions. Any student admitted in this manner will be restricted to a limited load of courses, and his academic work will be reviewed by the subcommittee upon completion of the

semester. If his academic work is judged to be acceptable, the student will be admitted in good standing. Otherwise, the subcommittee may decide to continue the student on a trial basis or deny him future enrollment.

Transcripts and records required of students for admission become a part of the student's permanent file and cannot be returned to nor legally copied for the student.

PART-TIME ADMISSION

A part-time student is enrolled in a degree program for less than twelve (12) semester hours. Requirements for admission and policies pertaining to part-time students are the same as those for full-time students.

SPECIAL STUDENT ADMISSION

A special student is one enrolled in a non-degree program. Applicants should submit the application for admission along with the application fee. Non-degree students may enroll for courses without regard to graduation requirements, but must meet prerequisites for courses chosen. Non-degree students wishing to apply for a degree program, must reapply, provide full credentials and meet admission requirements for degree students. Work completed at Centenary will weigh heavily in the decision of the admissions committee. Non-degree students may not represent the College in extracurricular activities.

READMISSION OF FORMER STUDENTS

A student who has withdrawn from Centenary and who wishes to return must apply to the director of admissions for readmission. If a student has attended any other institution(s) of higher learning during the absence from Centenary, official transcripts of work undertaken there must be submitted, together with statements of honorable dismissal from the other institution(s). Students who have attended other institutions for more than two semesters must re-apply to Centenary as transfer students.

TRIAL ADMISSION

Students whose college entrance examination scores and/or entering grade point averages are below the level normally acceptable for admission to Centenary may be considered for a trial admission. Students in this category may not meet all of the requirements of normal admission into the College, but they may have the potential to succeed in competitive college courses. The committee on admissions may grant trial admission to these students to give them a chance to demonstrate this potential. Students admitted on trial will be required to take thirteen (13) semester hours during their first semester at Centenary College. At the end of the first semester of attendance, the committee will review the academic record of a student admitted on trial. Trial admissions are expected to meet the guidelines of all College requirements during the first semester. If their grade point average meets the minimum requirements of freshmen, the trial status will be lifted and the student may enroll for up to eighteen (18) hours each semester. However, if after one semester, the student has not accrued the grade point average required for freshman classification, that student will be asked to withdraw from the College.

INTERNATIONAL STUDENTS

Centenary welcomes the applications of students from other countries. Separate application forms and brochures describing the Centenary programs for international students are available upon request.

All admissions decisions concerning international students should be made by a committee consisting of the educational policy subcommittee on admissions and the international student adviser.

The College adopts as its official policy for international students admissions, the guidelines published by the American Association of Collegiate Registrars and Admissions Officers in its World Education Series.

The following credentials are required of all international applicants to the College:

1. Completed special International Student Application Form.
2. Certified copies or originals of relevant school records and diplomas.
3. A score of 500 on the Test of English as a Foreign Language (TOEFL) (required only of non-native speakers of English).
4. Statement of financial capabilities and resources.
5. Health certificate.
6. Hand-written narrative of proposed program of study in the U.S.
7. Letter of recommendation

The committee uses as its official guidelines in interpreting TOEFL scores the TOEFL Test and Score Manual of the Educational Testing Service.

TRANSIENT STUDENT

Students enrolled in other colleges may take courses at Centenary in any semsester provided they are in good standing at the college where they are enrolled as regular students. A formal application and a ten-dollar ($10.00) application fee are required, along with a letter of good standing from the dean or registrar of the other college.

ADDITIONAL REQUIREMENTS IN MUSIC

Entering students are given auditions and placement tests in music theory and piano (for non-keyboard majors). For unconditional acceptance as a music major, a student should be able to perform an entrance audition in the major applied area, meeting standards set by the School of Music. Placement tests are administered during freshman orientation each fall, and prior to registration for the second semester. Entering freshmen should consult early with the Dean of the School of Music concerning qualifications, auditions, and tests.

Credit in applied music for students transferring from other colleges will be determined by an audition before the music faculty and by progress made during the first semester at Centenary. Also, transfer students should expect to take examinations in music history to determine whether equivalent standards have been met.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Centenary College maintains the following policies regarding the College Level Examination Program:

A. General Examinations (GE)

1. College Composition- (Does not fulfill distributive requirements. The English Department gives its own test for 101 credit only)	Elective credit in English 3 semester hours
2. Natural Sciences-	**Section 1** Elective credit in Biology 3 semester hours
	Section 2 Elective credit in Physical Sciences 3 semester hours
3. Mathematics-	Elective credit in Math 3 semester hours
4. Humanities-	**Section 1** Elective Credit in Fine Arts 3 semester hours
	Section 2 Elective Credit in Literature 3 semester hours
5. Social Sciences & History-	**Section 1** Elective credit in Social Science 3 semester hours
	Section 2 Elective Credit in History 3 semester hours

Awarding of this credit will be done automatically by the registrar and is contingent upon the student's successfully completing thirty (30) hours of credit at Centenary College. CLEP credit will not be awarded in any area in which the student has earned academic credit accepted by Centenary. The CLEP-GE may not be repeated for credit.

B. Subject Examinations (SE)

1. Credit will be awarded to students who score at or above the 50th percentile on Subject Examinations approved by the department appropriate to the examination.
2. Specific course credit (course title and hours credit) will be awarded by the registrar after consultation with the appropriate departmental chairman.

Credit from all forms of non-traditional work — CLEP-GE, CLEP-SE, correspondence or extension courses, the Defense Association for Non-Traditional Educational Services of the armed forces, Advanced Placement, departmental proficiency examinations, military service experience and training, and all other — may not exceed forty hours, no more than twenty-four of which may be from any one of the categories listed above.

ADVANCED PLACEMENT

Centenary participates in the Advanced Placement program of the College Entrance Examination Board. Advanced Placement credit will not be given for scores below 3. The following departmental guidelines have been established:

Department	A.P.Score		Credit Hours	Courses
Biology	3		3	BIO 101
	4		4	BIO 101,111
	5		8	BIO101,111,102,112
Chemistry	3, 4, or 5		8	CHM 101,111,102,112
English*	4 or 5		3	ENL 101
Foreign Languages**	3		8	FLG 101,102
	4 or 5		14	FLG 101,102,201,202
World History	4 or 5		3	HST 102
U.S. History	4 or 5		6	HST 205,206
Mathematics	3		3	MTH 108
	4 or 5		6	MTH 108,201
Physics and Engineering***	4 or 5	(mechanics)	4	PHY 104,114
	4 or 5	(electricity and magnetism)	4	PHY 105,115
Sociology	4 or 5		3	SOC 101

* The English Department will consider giving credit for a score of 3 providing the student writes a 500word essay on a topic chosen by the English Department and given a grade of B or above on the essay. Credit will be for 3 hours, ENL 101.

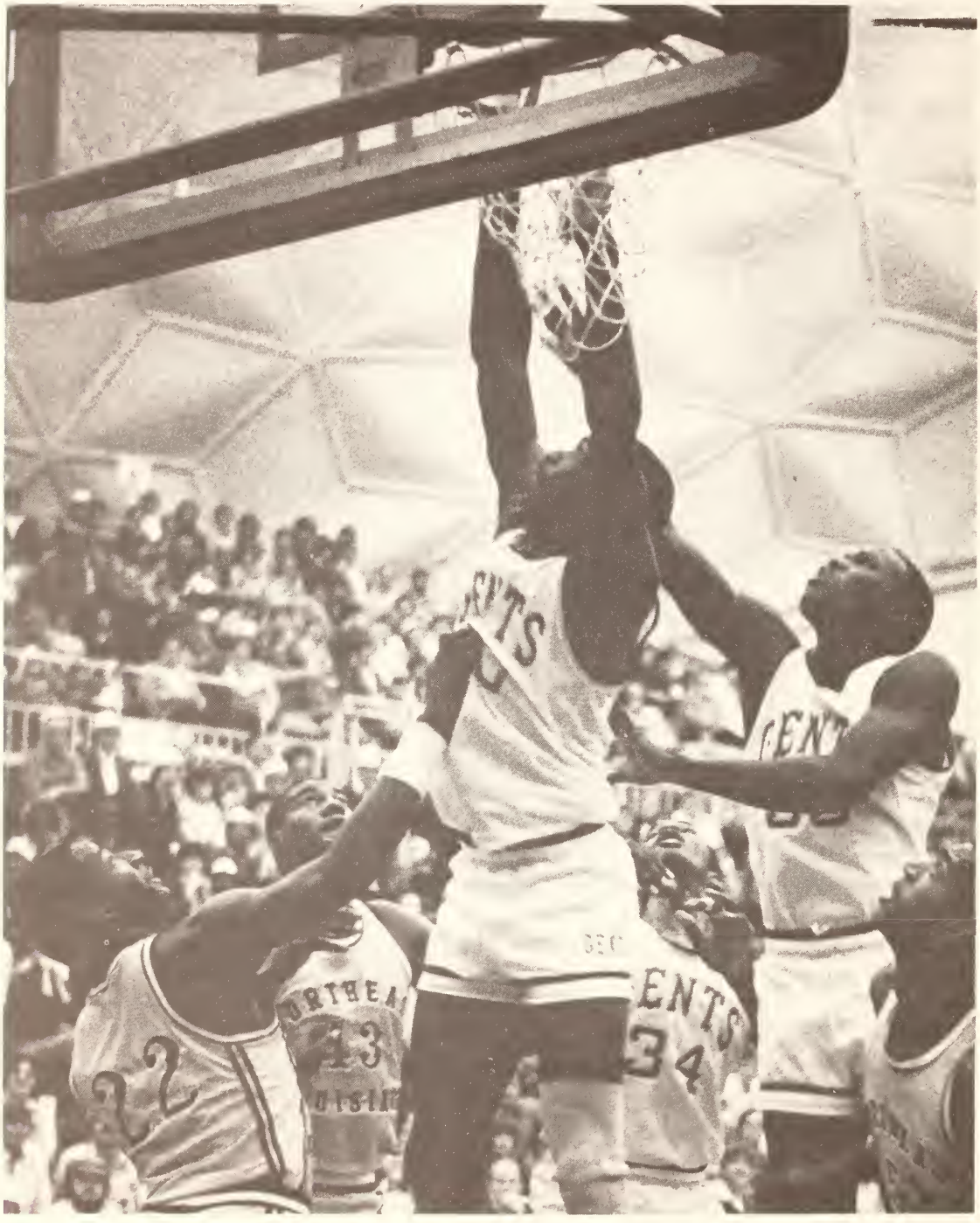
** Awarding of credit on the basis of examination scores is contingent upon successful completion of an additional three hours of credit in the same foreign language at Centenary College.

*** Only Advanced Placement TEST C will be accepted.

FOR FURTHER INFORMATION

Call the Office of Admissions at 318/869-5131 or write to:

Director of Admissions
Centenary College
2911 Centenary Boulevard P.O. Box 41188
Shreveport, Louisiana 71134-1188



Centenary College participates in NCAA Division I *sports for men and* NAIA *sports for women.*

V.

EXPENSES & FINANCIAL AID.

Centenary College is a non-profit institution. The tuition, fees, and other charges paid by the student cover less than half the actual cost of the educational opportunity. The remainder of this cost is borne by income from endowments and from the generosity of friends of the College and of The United Methodist Church. In this way, the cost to the student is kept at the lowest possible amount consistent with adequate facilities and superior instruction. An excellent program of financial aid is available to worthy and needy students.

BASIC EXPENSES FOR 1986-1987
FALL AND SPRING SEMESTERS

These expenses total $3,677.00 per semester (tuition, fees, room, and board). Books and personal expenses are additional.

Tuition: . . . . . $2,290.00 per semester
Student Fee: . . . . . $70.00 per semester
(includes fees for accident insurance, newspaper, yearbook, and radio station)
Surcharge for the School of Music: . . . . . $90.00 per semester
Room: . . . . . Double: $567.00 per semester
Single: $900.00 per semester

The charge for local telephone service is included in the room rate.

Board: 2/3 . . . . . $675.00 per semester
Full . . . . . $750.00 per semester

The tuition and student fees apply to all registration in the normal full-time range of 12 to 18 hours. Any registration for less or more than these limits is charged the tuition rate of $170.00 per semester hour.

This rate also applies to students in the evening classes offered by the College. Students taking fewer than 12 hours will pay a student fee of $20.00.

Expenses for the Interim (January, 1987)

Tuition: . . . . . $510.00 per course
Room and Board: . . . . . Double: $292.00
Single: $323.00

Students not enrolled for classes during Interim but who wish to stay on campus must secure permission from the Dean of Students. They are required to pay the room and board fee and are subject to all campus regulations. When courses offered at locations other than on the Shreveport campus involve additional costs for tuition, room, and board, the College may bill the student for such additional amounts when the student registers for the course. In some cases the student may be required to pay charges directly to other parties.

Normally, financial aid will be applicable only to the Interim and Module programs offered on the Shreveport campus. Request for exceptions must be made in writing to the Director of Financial Aid.

Expenses for May Module (May 26-June 13)

Tuition: . . . . . $510.00 per course

Normally, housing is not available for the May-June Module.

Students must complete one Interim or Module course. Two Interim or Module courses may be accepted toward the 124 hours required for graduation.

EXPENSES FOR THE SUMMER SESSION (1986)

Tuition: . . . . . $135.00 per semester hour
Student Fee: $20.00
Surcharge for the School of Music: $90.00
Room: . . . . . Double: $333.00
Single $410.00
Board: $410.00

The above room and board charges are for the full eight-week session. Charges for a four-week session are one-half of the amounts stated.

Normally, financial aid is not available for the summer session.

SPECIAL FEES

Other special and generally non-recurring fees are:

Application fee (non-refundable) $10.00
Orientation fee (non-refundable) . . . . . (Fall) 25.00
(Spring) 15.00
Change in registration (per change) 10.00
Graduation fee 25.00
Identification card replacement 5.00
Late registration fee 25.00
Parking fee for day students (yearly) 20.00
Room deposit and warranty
(refundable, subject to damage charges) 60.00
Change of residence hall room
(after the deadline date to add courses) 10.00
Student teaching fee 125.00
Transcript fee (first copy free)[1] 2.00

[1]Transcripts are not issued during first two weeks of a semester.

A laboratory fee of $20.00 per semester hour is charged for each course requiring use of a laboratory. This fee does not cover charges for breakage.

A nominal charge may be levied for off-campus courses in physical education such as bowling and golf. These charges will be paid by the student directly to the off-campus parties levying the charge.

The tuition surcharge of $90.00 per semester for students in the School of Music curricula covers all applied music and instrumental rental fees. Non-music majors and part-time students who wish to register for applied music courses will pay $90.00 for a one-half hour lesson per week, and $180.00 for a one-hour lesson per week. The cost of books, music, and other supplies will vary with the student's curriculum. In most cases the annual expense will be approximately $175.00.

The course offerings, rules, regulations and fees appearing in this catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general and academic regulations without notice should circumstances warrant in the judgment of the College.

PAYMENT OF FEES

Matriculation in the College is an implied contract by which the student accepts all regulations of the College, including those governing payment and refunds. Charges are made by the semester, and they are payable by the semester. Payment of semester

charges, or arranging to pay them, is a part of the registration process. Enrollment has not been completed until the student has paid the fees or has made satisfactory arrangement with the business office manager. Students who are more than ten days delinquent in payment of any fees may be suspended from the College. No grade reports or transcripts will be issued until all financial obligations to the College have been met.

There are several acceptable methods of payment:

1. The entire account may be paid on registration.

2a. One-half of the charge must be paid on registration and the balance 30 days after registration. This arrangement must be approved by the business office manager on or before registration. There is a charge of $15 for this method of payment.

2b. One-half of the charge must be paid on registration and the balance in two equal installments, one due October 1 or March 1 and the other due November 1 or April 1. This arrangement must be approved by the business office manager on or before registration. There is a charge of $25 for this method of payment.

2c. To meet the additional cost of bookkeeping, postage, and collecting a late charge will be made when accounts are not paid on the day they are due. A five (5)-working-day grace period will be allowed from the day a payment is due. At the end of the grace period, all accounts that are then past due will be assessed a $10 late charge.

3. For each summer session, the entire amount is payable on registration, or the student must pay half on registration and the balance within 10 days of the session. There is a charge of $10 for this latter method. The late charge policy outlined in 2c above on non-payment at due date will apply.

4. The student must satisfy all financial obligations to the College in order to participate in the College commencement and baccalaureate ceremonies.

WITHDRAWALS AND REFUNDS

Failure to attend classes does not constitute a withdrawal. Official withdrawal is the date the student receives the approval of the Dean of the College to withdraw, and all refunds are based on that date, regardless of the date of last attendance. In addition, there are academic penalties for failure to complete the proper procedures; for these, see page

Prior to obtaining a withdrawal form, students receiving financial aid should consult the Financial Aid Director. A withdrawal form, available at the Office of the Dean of the College, must be filed immediately by a student who withdraws from the College after he or she has registered for classes in a regular session, summer session, or interim. The completed form bearing the proper signatures must be filed at the registrar's office.

Fall and spring semester tuition and refundable fees are refunded if the student withdraws on or before the fifth class day after registration. A service charge of $25 will be made for withdrawal even if the student does not attend class. After the fifth class day, the following policy applies:

1. All fees are charged.
2. Between the sixth day of classes and the third Friday after classes begin, three-fourths of tuition is refunded.
3. Between the third Friday and fifth Friday after classes begin, one-half of the tuition is refunded.
4. After the fifth Friday of classes, no refunds are given.
5. Room rent cannot be refunded regardless of date of withdrawal.
6. Board for that part of the semester which has not been used will be refunded regardless of the date of the official withdrawal.

7. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

Summer session tuition and refundable fees are refunded if the student withdraws on or before the first Friday of classes. A service charge of $25 will be made for withdrawal even if the student does not attend class. After the first Friday of classes, the following policy applies:

1. All fees are charged.
2. Between the first Friday of classes and the second Friday of classes for eight-week courses, half of the tuition is refunded.
3. After the second Friday of classes for eight-week courses, no refunds are given.
4. After the first Friday of classes for four-week courses, no refunds are given.
5. Room rent cannot be refunded regardless of date of withdrawal.
6. Board for that part of the semester or summer session which has not been used will be refunded.
7. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

DROPPING COURSES

Non-attendance of class does not constitute a drop. A prorated refund will be given for courses dropped based on the above policy.

STUDENT FINANCIAL AID

FINANCIAL ASSISTANCE

Centenary College offers financial aid to help students meet their educational expenses. Centenary's program is supported by Federal and State funds, as well as by the College's own resources. The aid programs, policies, and procedures are described in detail in a financial aid brochure available upon request from the Office of Financial Aid.

At Centenary most assistance is awarded on the basis of financial need, but significant amounts are awarded on the basis of scholarship, leadership, athletic ability, talent, or career plans. Application for the financial aid should be made through the Office of Financial Aid, whose primary objective is to arrange for a grant, scholarship, loan, or employment, or a combination of these for which a student is eligible. Applicants for aid based on financial need must submit the financial information necessary to determine the assistance for which the student is eligible. Appropriate forms may be obtained from high school guidance offices or from the financial aid office at any college or university.

Through generous gifts by friends of the College, a number of scholarships have been established. Although these funds are applied in accordance with the terms of each gift, some general policies may be noted. Four-year academic scholarships are automatically renewed each year if the student has maintained a 3.00 grade average. Other scholarships are awarded for one year but may be renewed if the student reapplies and continues to meet the specific guidelines.

Loans and work are the only forms of financial assistance available for use in summer school. Centenary scholarships are not available in the summer.

Satisfactory academic progress is required to maintain eligibility for aid programs. Students who are placed on academic probation are not considered to be making satisfactory progress and are not generally eligible for financial assistance. A student may re-establish satisfactory progress by either (1) earning grades which are high enough

to bring the cumulitive grade point average to a 2.0 or (2) earning a 2.0 average on at least twelve hours, if that constitutes progress toward graduation. In most cases students are awarded financial aid for eight semesters. Extensions can be granted through an appeal process.

Aid based upon financial need may not be awarded in excess of the amount the student needs for education expenses. No Centenary scholarship or grant, or combination of grants which includes one from Centenary, can exceed the comprehensive costs for resident students. Normally, none will exceed tuition and fees for a commuting student. If a student's need is greater than these limits, the need may be met with a loan or work award.

The person designated by Centenary to provide financial information to students is the Director of Financial Aid. The financial aid office is located in Hamilton Hall, Room 119. Office hours are 8:00 to 4:30 Monday thru Friday. Appointments are suggested but not required. The telephone number is (area code 318) 869-5137.

To be considered for financial aid at Centenary College, a student must complete the following steps:

1. Have applied for admission to Centenary College
2. Submit a Centenary College Financial Application to the Office of Financial Aid.
3. Submit a Financial Aid Form (FAF) to the College Scholarship Service (CSS) or the Family Financial Statement (FFS) to the American College Testing Program (ACT).

Upon completion of these steps, a student will be considered for all financial aid sources available at Centenary College. Priority will be given to students who have completed these steps and submitted all requested information by April 15 prior to the academic year for which aid is desired. After this date consideration will be on a "first come, first served" basis.

SPECIAL NOTE: All financial aid awards are made for just one year at a time. Returning students must complete steps 2 and 3, listed above, each spring prior to the next academic year for which aid is desired. Failure to complete these steps by April 15 could result in a reduction or denial of financial aid for the next academic year.

CENTENARY COLLEGE GRANTS AND SCHOLARSHIPS

Alumni Scholarship. For students who demonstrate outstanding academic and leadership potential. To be considered a student must have an ACT composite score of 30 or SAT composite of 1300 and have a cumulative grade point average of at least a 3.5 on a 4.0 scale.

Trustee Scholarship. To be considered a student must have an ACT composite of 28 or SAT composite of 1250 and have a cumulative grade point average of at least a 3.25 on a 4.0 scale.

President's Scholarship. To be considered a student must have an ACT composite of 28 or SAT of 1250 and have a cumulative grade point average of at least a 3.0 on a 4.0 scale.

Dean's Scholarship. To be considered a student must have an ACT composite of 24 or SAT composite of 1100 and must have a cumulative grade point average of at least a 3.0 on a 4.0 scale.

Hurley School of Music Scholarship. For students majoring in music or participating in one of the music ensembles. Recipients are selected by the School of Music after an audition.

Centenary Choir Scholarship. For members of the Centenary College Choir. Recipients are selected by the Director of the Choir.

Mildred and Sam Sharp Scholarship Fund. For members of the Centenary College Choir. Recipients are selected by the Director of the Choir.

Church Careers Scholarship. For students who are accepted into the Centenary School of Church Careers program.

Resident Assistant Grant. Stipend for selected upperclass men.

Methodist Minister's Dependent Grant. For full-time students who are dependents of a Methodist minister of the Louisiana Conference.

Minister's Dependent Grant. For full-time students who are dependents of ministers of the 4th Congressional District.

ATHLETIC GRANTS

Athletic Grants-In-Aid are available in the following sports:
Men's — basketball, baseball, golf, tennis, cross country, soccer, riflery.
Women's — tennis, cross country, riflery, gymnastics, softball.
Application should be made through the athletic department.

TUITION EXCHANGE

Tuition exchange is a program whereby students whose parents are employed by other participating colleges and universities may receive a waiver of tuition to attend Centenary. Colleges with which Centenary participates are Birmingham-Southern College and Millsaps College.

PERMANENT SCHOLARSHIPS

Aetna Life and Casualty Foundation Scholarship Grant. For women and minority students who, without such aid, might not be able to complete their educations.

Agnes A. Allen Church Careers Scholarship. For a worthy student in the Centenary School of Church Careers.

Aldersgate United Methodist Church Scholarship. For students enrolled in Centenary School of Church Careers from Aldersgate UMC or New Orleans/Slidell District.

Allied Food Club Scholarship. For worthy students in need of financial assistance.

Grace Mims Allums Scholarship. For an entering freshman who has demonstrated scholarship and Christian leadership.

Altrusa Club of Shreveport Scholarship. For worthy students in need who are residents of Louisiana.

Alumni - The Class of 1936's Anniversary Endowed Scholarship. For a worthy student in a church related field.

Amite United Methodist Church Scholarship. For worthy students from the First United Methodist Church of Amite.

Ark-La-Tex Landmen's Association Scholarship. For a worthy student in the Petroleum Land Management program.

Ark-La-Tex Drilling Association Scholarship.For an outstanding student majoring in Geology or Petroleum Land Management. A 3.0 GPA must be maintained.

Army ROTC Scholarships. For sophomores or juniors with high academic achievement and leadership ability. (Based on competition).

Centenary Art Department Scholarship. For a worthy art student selected by the chairman of the Art Department.

Asbury United Methodist Church Scholarship. For worthy students from Asbury UMC of Lafayette.

John B. Atkins, Jr., Memorial Scholarship. For a pre-med student with a high school average of 3.85 or better and in need of financial assistance.

Douglas Attaway Memorial Scholarship. For a student who shows a need. Special preference given to journalism students.

Callie Ann Cogdell Avery Scholarship. For an outstanding Methodist ministerial student in need of financial assistance.

Aurora United Methodist Church Scholarship. For worthy students in need of financial assistance. Preference given to members of the Aurora UMC.

Mary Susan Bailey Scholarship. For worthy students in need of financial assistance.

First United Methodist Church of Bastrop Scholarship. For a student from the First United Methodist Church of Bastrop.

M. L. Bath-Rotary International Scholarship. Offered annually to a worthy foreign student who desires to study in this country.

Susan R. Bauguss Scholarhip. For deserving women students.

The Rev. and Mrs. James L. Beasley Scholarship. For a student in the Department of Religion.

Luther and Marie Beene Scholarship. Restricted to students majoring in voice.

The Paul and Myrtle Bender Memorial Scholarship Fund. For an outstanding senior/junior majoring in one of the physical sciences or mathematics.

Joseph B. Bramlette Scholarship Fund. For an outstanding student majoring in English.

Frederick Victor Brook Endowed Scholarship Fund. For a worthy student.

Don Brown Memorial Scholarship. For a student of ability, majoring in art, and in need of financial assistance.

Paul Marvin, Jr. and Willie Cavett Brown Scholarship. For worthy students in need of financial assistance.

Shannon Brown Memorial Endowed Choir Scholarship. For a member of the Centenary Choir with a need.

Burkhalter Scholarship. For a worthy student majoring in geology.

William T. and Ethel L. Burton Foundation. For a worthy student.

R.S. Byron Scholarship. For deserving students who demonstrate a need for financial assistance.

Ruth C. Jones Cadwallader Choir Scholarship Fund. For a choir student from Mandeville, Louisiana.

Caldwell Parish United Methodist Men's Scholarship. For a United Methodist resident of Caldwell Parish who is entering the Centenary School of Church Careers.

Canterbury/Vardeman Scholarship. For a male basketball player who has completed athletic eligibility and who can complete academic requirements in the summer and succeeding year.

Martha Cappel Memorial Scholarship. For outstanding students in financial need.

Dr. Virginia Carlton Math Scholarship. For a freshman who excels in mathematics.

Nancy Carruth Scholarship. For a worthy student from Bunkie, Louisiana.

Carter Advertising Scholarship. For a senior student majoring in liberal arts with preference to a student expressing interest in advertising, writing, or public relations.

Bill Causey, Sr., Scholarship. For a trumpet player who is a member of the Centenary band.

Centenary College Alpha Iota Kappa Alpha Annual Scholarship. For a member of K.A. Fraternity with 3.0 or above GPA with a need.

Centenary Women's Club Scholarship. For an outstanding student in need of financial assistance. Recipient must maintain a 3.0 grade point.

Centenary United Methodist Church Scholarship Fund. For a worthy student.

Central State Life Insurance Company Endowed Scholarship Fund. For the children of employees of Central State Life Insurance Company.

Chemistry Department Scholarship. For outstanding chemistry majors.

T.C. and L.C. Clanton Memorial Scholarship. For an outstanding ministerial student scholastically worthy and in need of financial assistance.

Commercial National Bank Scholarship. For children of employees of the Commercial National Bank of Shreveport.

R. Leonard Cooke Scholarship. For a Methodist student who is studying for the ministry. A 3.0 GPA must be maintained.

Clarence Coon Scholarship. For students of high academic standing enrolled in the journalism program and majoring in English.

Howard L. Daughenbaugh Memorial Scholarship. For young women intersted in careers in Christian education and full-time Christian service.

Bryant Davidson Memorial Scholarship. Preference given to needy student interested in philosophy.

Jones S. Davis Scholarship. For outstanding young women from the Baton Rouge

J. A. Davis Scholarship. For worthy students in need of financial assistance who rank high scholastically.

Jane A. Davies Memorial Endowed Scholarship. Member of Church Careers Program.

Desk and Derrick Club Scholarship. For a deserving student majoring in geology.

Walter L. Dobie and Ruth Dobie Scholarship. For a needy student who shows promise of academic success and whose social and academic behavior are acceptable. The recipient should plan to set up his/her own scholarship fund following graduation.

Marlin Drake Scholarship. For a worthy student.

Lonnie S. Dyess, Sr., Memorial Scholarship. For a history major with at least a 3.0 GPA.

Marguerite Herries Edwards Memorial Scholarship. For worthy students who study a modern foreign language as an enhancement to their regular course of study.

Mr. and Mrs. Robert Eggerton Scholarship. For a worthy student.

Howard M. Elder Memorial Scholarship. For an entering freshman student affiliated with the Methodist Church. Preference given to education majors.

John B. Entrikin Scholarship. For a promising junior or senior majoring in chemistry with need for financial assistance.

Executive Women International Scholarship. For a female business major.

Ernest and Grace Ferguson Scholarship. For worthy students in need of financial assistance.

First United Methodist Church of Alexandria Scholarship. For worthy students.

First United Methodist Church of Lake Charles Scholarship. For students accepted into the Centenary School of Church Careers. Preference given to members of First UMC, Lake Charles.

First United Methodist Church of DeRidder Scholarship. For a worthy student.

First United Methodist Church of Minden Scholarship. For worthy students from First UMC of Minden interested in Christian ministry and Christian education.

First United Methodist Church of Slidell Scholarship. For worthy students from FMC Slidell.

Margaret W. Flournoy Scholarship. For worthy students in need of financial assistance.

Dr. Elmer Lee and Mrs. Eva E. Ford Scholarship. For an outstanding student majoring in French.

Nancy Claire Fox Memorial Endowed Scholarship. For a pre-med major doing Marfane Syndrome research.

Dr. A.M. Freeman Scholarship. For a worthy black student in need of financial assistance.

Katherine J. French Memorial Scholarship. For a woman student of outstanding ability, majoring in English and intending to teach.

James Hill Fullilove Memorial Scholarship. For ministerial students in need of financial assistance.

Garber Scholarship. For a worthy student in the field of music.

E.B. Germany Scholarship. For worthy students in need of financial assistance.

Mark Greve Departmental Scholarship. For a worthy student.

Randy Greve Memorial Scholarship. For a student of high scholastic standing in need of financial assistance.

David Phillip Hamilton Scholarship. For worthy students majoring in science in need of financial assistance.

Lester Harford Hammond, Jr., Memorial Tennis Scholarship. For a freshman or sophomore student.

Dean Hardin Memorial Scholarship. For worthy students in need of financial assistance.

Reginald H. Hargrove Memorial Scholarship. For a scholastically outstanding student in financial need.

Frances Andrews Harkrider Memorial Scholarship Fund. For worthy students in need of financial assistance.

Harman Memorial Scholarship. For students of high scholastic standing in need of financial aid.

Virginia Palmer Harris Scholarship. For a worthy student in need of financial assistance.

Mrs. O.D. Harrison Scholarship Fund. For a worthy student.

Harrison-Malloy Scholarship. For a needy student.

Hart-Lawrence/Vivian United Methodist Scholarship Fund. For a worthy student in Christian Education.

Shirley Hawn Music Scholarship. For a graduating high school senior who is outstanding in music and in financial need.

Verne Hawn Art Scholarship. For a promising incoming freshman majoring in art.

Ricky Hayes Memorial Endowed Scholarship. For a student from the DeRidder area.

Dorothy Ruth S. Heller Memorial Scholarship Fund. For students of high scholastic standing in need of financial assistance.

R. Jefferson Hendricks Modern English Endowed Scholarship. For an English major chosen by the English Department.

William J. Henning Family Scholarship. For a church-careers or religion student.

Margaret Hope Hickman Endowed Memorial Scholarship Fund. For a worthy student -non-athlete.

Mamie B. Hicks Scholarship. For piano students preferable from North Louisiana.

David Franklin Hinton Memorial Scholarship. For an outstanding student majoring in biology or another pre-med subject.

J.T. Hitchcock Memorial Scholarship Fund. For a student majoring in Mathematics or in the 3-2 Computer Science Program with a GPA of 3.0 or better.

A.J. and Nona Trigg Hodges Scholarship. For members of the Centenary College Choir.

Holiday In Dixie Diplomats Scholarship. Business major from the Caddo-Bossier area.

Amanda Howell Memorial Scholarship. For needy students of high scholastic standing.

Ed E. and Gladys Hurley Scholarship. For worthy students in need of financial assistance, awarded by the Dean of the School of Music.

Charles Moore Hutchinson Memorial Scholarship. For students in need of financial assistance.

Alvin M. and Jeanne B. Jackson Foundation Scholarship Fund. For a student pursuing a future in veterinary medicine or agriculture business.

Mildred and John H. Johnson, Jr. Endowed Scholarship Fund. For worthy students.

Jesse H. and Mary Gibbs Jones Scholarship. For worthy students in need of financial assistance.

Joseph H. and Julia B. Jordan Scholarship. For students of high scholastic standing in need of financial assistance, with preference given to ministerial students.

Lonnie B. and Nellie P. Kilpatrick Memorial Scholarship. For assistance to worthy students; first consideration being given to members of the families of employees of Kilpatrick Life Insurance Company of Louisiana and Kilpatrick's Rose-Neath Funeral Home, Inc.

Frances King Memorial Scholarship. For a student from Simpson UMC in the Lake Charles District, who maintains a high academic standard.

Retha Ramsdell Labry Scholarship. For an outstanding English scholar.

Lake Providence United Methodist Church Scholarship. For a student from the First United Methodist Church of Lake Providence.

Joe O. and Edwin R. Lambert Memorial Scholarship. For ministerial students in need of financial assistance.

Virginia Davis Laskey Endowed Scholarship Fund. For students deserving of a President's Scholarship.

A. McIntyre and Katherine S. Leary Endowed Scholarship Fund. For worthy students.

Philip Lieber-First Federal Savings and Loan Association Scholarship. For students majoring in economics or business with high scholastic achievement.

Lisbon United Methodist Church Scholarship Fund. For a pre-ministerial student or someone going into Christian service.

Thomas Loggins Scholarship. For a worthy student in need of financial assistance.

Louisiana Land and Exploration Scholarship. For students in need of financial assistance and of high scholastic achievement in the field of geology.

J.C. Love Clergy's (Christian and Jewish) Dependent Grant. For students who are dependents of Methodist clergy serving in an active appointment made by the bishop or similar judicatory official in the State of Louisiana. Non-Methodist clergy must be serving in an active appointment made by their churches' judicatory official in the Fourth Congressional District of Louisiana.

J.C. Love Memorial Scholarship. Four full-tuition scholarships for outstanding dependents of United Methodist Ministers of the Louisiana Conference.

Walter M. Lowrey Memorial Scholarship Fund. For students from the Mansfield area.

Walter M. Lowrey Pre-Law Scholarship. For a pre-law student (any major).

Lund Choir. For students in the Centenary Choir.

Lund Church Careers. For students in the Church Careers Program.

Helen and Mark C. Magers Scholarship. For worthy students in need of financial assistance, with first preference given to Methodist ministerial students.

Mansfield/Grand Cane First United Methodist Church Scholarship. For a worthy student from the Mansfield, Grand Cane church.

Mathematics Department Scholarship. For a student from the Mathematics Department.

Tom Matheny Scholarship. For students of high academic caliber.

McCoy Scholarship. For a worthy student of academic promise.

Paul McDonald Endowed Scholarship Fund. For worthy students.

Bruce McMillan, Jr., Foundation Scholarship. For full-time students in need of financial assistance with high scholastic achievement.

May Meadows Ministerial Scholarship. For worthy ministerial students of high scholastic standing, first consideration given to students from the Ruston District.

R. Thomas Merrill Memorial Fund. For worthy students majoring in foreign languages and English.

Joe Mickle Scholarship. For worthy students.

Richard Alan Millar Scholarship. For worthy students in need of financial assistance.

Hattie Lee Monkhouse Mellor Memorial Scholarship. For residents of Louisiana who maintain a "B" average and need financial assistance.

Edwin Moore Scholarship Fund.

Howard Moore Family Scholarship. For a student from Noel Methodist Church in Shreveport or a member of Kappa Sigma Fraternity. Recipients must maintain a 2.5 GPA.

Moye Scholarship. For worthy students, with preference given to the children of Methodist ministers.

Munholland United Methodist Church Scholarship. For a worthy student, with preference given to students from the Munholland United Methodist Church in Metairie.

Gwen Murphy Annual Scholarship Fund. Worthy student from Slidell with 2.5 GPA.

Louis Leon Noel Trust Scholarship. For students majoring in music.

Oak Grove United Methodist Church Scholarship. For a student from the Oak Grove United Methodist Church.

John G. O'Brien Scholarship. For worthy students.

Mae B. O'Brien Scholarship. For a worthy student in the field of music, awarded by the Dean of the School of Music.

Ray Oden, Sr., (LB&T) Scholarship. For dependents of employees of Louisiana Bank and Trust.

Koy Pace Memorial Scholarship. For a single parent attending school.

John T. Palmer Scholarship. For a worthy male student.

Penzoil Scholarship. For a student majoring in chemistry. Selected by the chairman of the department.

Ward Peters Scholarship. For a business major in good academic standing.

Winifred Boles Peters Scholarship. For a worthy student with first preference to a student in the arts.

Melanie Jean Perot Memorial Scholarship. For a woman student who is working her way through college and is in need of financial assistance.

Petro-Log, Inc., Scholarship. For children of employees of Petro-Log, Inc.

Thomas B. Peyton III Memorial Scholarship. For a needy student of high academic standing, interested in art and religion.

William G. Phelps Memorial Scholarship. For a worthy student in need of financial assistance. Preference given to members of the Shreveport Broadmoor Methodist Church.

Leon J. and Artie L. Phillips Endowed Scholarship Fund. For students pursuing degrees in business administration, pre-law or pre-medicine with a 3.0 GPA.

Pineville United Methodist Church Scholarship. For worthy students.

Louis Henry Pirkle, M.D., Scholarship. For a deserving pre-med student.

George W. Pirtle Geology Scholarship. For an outstanding geology student from Louisiana or East Texas.

Dr. W. Ferrell Pledger Endowed Memorial Scholarship Fund. For a worthy student in a rehabilitation program.

Dr. W. Ferrell Pledger Honor Award in Sociology. Graduating senor who is a sociology major with highest academic average.

G.W. Pomeroy Scholarship. For worthy students in need of financial assistance.

Reverend Robert Lynn Potter Scholarship. Worthy student with financial need - 2.5 GPA.

Rayne Memorial United Methodist Loan and Scholarship Fund.

Rayville United Methodist Church Scholarship. For a student from the Rayville United Methodist Church.

The Reader's Digest Foundation Scholarship. For worthy students in need of financial assistance.

Red Ball Oxygen Scholarship. For a worthy student who is a member of the soccer team.

The Remembrance Fund For The Mentally Retarded. Partial scholarships for students studying the professional needs of the mentally, physically, and multiple handicapped.

Bell Ringgold Memorial Scholarship. For Louisiana students training to become teachers, with preference to students from Caddo Parish.

Minnie K. Ringgold Memorial Scholarship. For a student in the School of Music in need of financial assistance.

Stephen Francis Robinson Scholarship. For a worthy student enrolled in at least one course in either mathematics, foreign language, music, or religion.

Charles Rollins-Bentley Sloane Four-Square Bible Class Scholarship. For students in the Centenary School of Church Careers.

Peggy Rountree Memorial Scholarship. For an outstanding student in need of financial assistance.

Benjamin C. and Grace Rankin Schurman Memorial Scholarship. For a worthy student.

Wilfred K. Scroggin Education Fund. For a ministerial student.

Selber Brothers Scholarship. For a student of high scholastic standing studying toward a baccalaureate degree in business.

Fariebee Parker Self Mathematics Scholarship. For a student majoring in and planning to teach mathematics.

J.C. Sensintaffar Memorial Scholarship. For students from specified districts of the Louisiana Methodist Conference.

Lucille Sexton Sunday School Class - In Memory of La Trelle Shipley Billeiter. For a qualified female music major.

Shreveport Chapter of Chartered Life Underwriters Scholarship. For a worthy student.

Shreveport First United Methodist Church Scholarship. For students selected by FUMC/Shreveport.

Shreveport First United Methodist Church/United Methodist Women Scholarship. For C.S.C.C. students.

Shreveport Geological Society Scholarship. For an outstanding geology student.

Rebecca Lynn Simmering Memorial Scholarship. For a female student in the Centenary School of Church Careers.

Joseph Eldred Slattery, Jr. Scholarship. For a Shreveport woman who graduated from St. Vincent Academy.

Graydon F. Smart Endowed Memorial Scholarship. For a student in the field of communications.

Dean R.E. Smith Discretionary Fund. The income from the principal shall be used as an emergency discretionary fund by the President with first priority being given to students in the Centenary School of Church Careers. If the money is not used, either all or part of it, in a given year, then it shall be awarded as a scholarship for the following year to an outstanding student in the School of Church Careers.

R.E. Smith Award Fund. For an outstanding ministerial student.

Dr. and Mrs. Richard Speairs Scholarship. To a member of the Church of the Transfiguration in Dallas, Texas.

John W. Speir Memorial Scholarship Fund. For worthy students in need of financial assistance.

J.B. Stafford Scholarship. For a Church Careers student with a 3.0 GPA.

Mary Morel and Jacques Napier Steinau Memorial Scholarships. For two worthy students.

Helen and Henry Stertz Music Scholarships. For a senior music major.

Stewart Memorial Scholarship. For ministerial students.

Jack I. Stinson Memorial Scholarship. For a worthy student, with preference given to a business major.

St. Paul's United Methodist Church of Monroe Scholarship. For worthy students from St. Paul's UMC of Monroe.

Hope Pierce Tartt Scholarship Foundation. For residents of certain Texas counties.

Dr. and Mrs. B.C. Taylor Scholarship. For students of outstanding scholastic achievement and in need of financial assistance.

Texas Eastern-McBride Endowed Scholarship Fund. Incoming freshman on basis of academic merit only ... student may receive the scholarship for four years as long as a 3.0 GPA is maintained.

Grace Reynolds Thayer Scholarship. For a worthy student, especially in the field of church careers.

N.O. Thomas Scholarship. For a worthy student in the field of business or petroleum land management.

Trinity United Methodist Church of Ruston Scholarship. For worthy students from UMC of Ruston.

William Tyrrell Scholarship. For worthy students with preference given to Afro-American students and students who demonstrate academic potential.

United Methodist Church-Baton Rouge/Hammond District Scholarship. For worthy students from the Baton Rouge/Hammond District of the UMC.

United Methodist Church-Baton Rouge/Lafayette District Scholarship. For students accepted into the Centenary School of Church Careers from the Baton Rouge/Lafayette District.

United Methodist Church-Ruston District Scholarship. For worthy students from the Ruston District.

United Methodist Church-Shreveport District Scholarship. For United Methodist students who are studying for some form of Christian ministry.

United Methodist Foundation of Texas Scholarship. For a worthy student who is, and has been for five continuous years, a member of The United Methodist Church of The Texas Annual Conference.

United Methodist Scholarship. For active members of the United Methodist Church with high scholastic standing. A 3.0 grade point must be maintained.

Universal Oil Products Scholarship. For upper-division chemistry majors.

Donald and Renee Webb Endowed Presidential Scholarship Fund. For a student on work-study or with other employment.

E. Bernard Weiss Scholarship. For worthy students with preference given to pre-med students.

The Louis & Emily Wile Memorial Scholarship Fund. For residents of Caddo, Bossier, or DeSoto Parishes who show academic promise and demonstrate financial need.

Ann Margaret Wilhelm Scholarship. For a worthy student.

Mr. and Mrs. William C. Woolf Scholarship. For students majoring in geology.

Herbert and Helen Smith Wren Scholarship. For worthy students.

***Clarence* L. *Yancey* Memorial Scholarship.** For a worthy student.
***Katherine Yeldell* Scholarship.** For worthy students in need of financial assistance.
***Youree* Scholarship Fund**. For worthy or needy students.

VETERAN'S BENEFITS

Veterans must submit an original or certified copy of their discharge paper (DD-214) to the Financial Aid Office in order to begin the processing of the Veterans Administration paper work. Dependents of veterans who died as a result of service connected injury or illness, or dependents of 100% disabled veterans may also apply for Veterans Administration Educational benefits. A dependent should bring the parent's or spouse's Veterans Administration file number to the Financial Aid Office to apply for benefits. The Veterans Administration determines the amounts of the benefit and mails payment directly to the student. Students eligible for veterans benefits are responsible for reporting to the Financial Aid Office changes in address, changes in credit hour load, registration and courses for which the student already has credit, and withdrawal from the College.

ARMY R.O.T.C. SCHOLARSHIPS

The United States Army offers financial assistance to qualified students in the form of four-year, three-year, and two-year scholarships. These R.O.T.C. scholarships pay for college tuition, text books, laboratory fees, and other miscellaneous academic expenses. In addition, a scholarship student receives a tax free subsistance allowance of $100 monthly for up to ten months of each school year during which the scholarship is in effect. The four-year scholarships are awarded on the competitive basis to high school seniors who are about to enter college as freshmen. Any full time students at Centenary may apply to compete for the three-year and two-year scholarships. The key factors considered in the selection process for these scholarships include academic standing, leadership ability, and over-all motivation. There is no limit to the number of R.O.T.C. scholarships available at Centenary; chances of selection are very good for qualified students.

STUDENT EMPLOYMENT

A number of part-time jobs for students are available on the campus. Application should be made to the Director of Financial Aid. The largest work program is known as College Work-Study. It is supported by Federal funds and provides assistance to students who have a documented need and meet all requirements for receiving Federal funds. A limited number of jobs are available without regard to financial need. The College also offers a job placement service for students who are seeking part-time jobs off campus. Opportunities range from bookkeeping to babysitting. Application should be made through the Coordinator of Student Employment. Hours are 8:00 - 2:30 daily. Telephone: (318) 869-5042.

VOCATIONAL REHABILITATION GRANTS

These are made to students who are physically handicapped and would ordinarily be unable to hold exacting part-time jobs. Due to the fact that Centenary is a private college, only certain majors are recognized for eligibility by The Louisiana Department of Vocational Rehabilitation. Inquiries should be directed to the Office of Financial Aid.

STATE GRANTS

STATE STUDENT INCENTIVE GRANTS (SSIG)

These grants are available to students who are residents of Louisiana and the United States. Eligibility for SSIG will be based upon the student's academic records and a recommendation by the Director of Financial Aid certifying substantial financial need as determined through a federally approved needs analysis system. Students must be enrolled full time and be in good standing academically to qualify for the SSIG. High School graduates are required to have a (C) average in English, Mathematics, Social Studies and Science. Grants range from $200 to $2,000 per year. Application is made by completing the Financial Aid Form or the Family Financial Statement and the Application for Financial Aid for Centenary College. These grants are limited due to a shortage in appropriated funds.

FEDERAL GRANTS

PELL GRANTS

Pell grants are awarded directly to students by the federal govermment. The amount for which a student is eligible is determined individually by the U.S. Department of Education. The maximum amount in 1985-1986 was $2100 per year. Students who have financial need can receive Pell Grants as long as they are making satisfactory academic progress toward their undergraduate degree. Application is made on forms available from high school guidance offices or from college financial aid offices. When the student has received an eligibility report, he or she should bring or mail it to the office of financial aid where the value and details of the grant will be explained.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)

The amount of financial assistance that students receive through a Supplemental Educational Opportunity Grant depends upon their need, taking into account their personal financial resources and those of their parents as compared to the cost of attending Centenary. To apply for this grant a student must complete the CSS Financial Aid Form or the ACT Financial Statement.

STUDENT LOANS

NATIONAL DIRECT STUDENT LOAN (NDSL). This program provides loans for needy students who are or will be enrolled at least half time. A total of $5,000 may be borrowed by undergraduates but not more than $2,500 for the first two years. Repayment at a 5% interest rate begins six months after the student leaves college.

GUARANTEED STUDENT LOANS. This program allows middle income students to borrow as much as $2,500 per year from a participating bank, or other financial institution. Repayment of principal and interest by the student begins six months after the student leaves school. Nine percent interest is charged. Contact the Financial Aid Office for current eligibility requirements.

UNITED METHODIST STUDENT LOANS. Members of the United Methodist Church may borrow $800 per academic year. Apply through the Centenary Financial Aid Office.

SUPPLEMENTAL EDUCATIONAL RESOURCE LOAN (SUPER). This program provides student loans up to $4000 annually at a rate of 10.8% per annum with a 12-year payback. The student must begin interest payments upon receiving the loan but may elect to defer principal repayment during the in-school period. The loan is not based on financial need. A co-signer is needed in most cases.

HURLEY FOUNDATION LOAN. Bona fide residents of Texas, Louisiana or Arkansas are qualified. Loans up to $1000 per year at 4% interest.

TUITION PLAN, INCORPORATED. This program allows payment of tuition and fees on a monthly basis for up to four years. Information may be obtained by writing to the Tuition Plan, Incorporated, Concord, NH 03301.

Students and faculty chat informally in the Hargrove Amphitheatre.

ACADEMIC CHECKLIST

WHAT TO DO, WHEN

All Students: This catalogue is your academic bible; study it carefully.

Check the Academic Calendar carefully for cut-off dates of enrollment functions and due-dates.

Every time you change your adviser and/or major you must inform the registrar.

Read the section on withdrawal (pp. 28, 29).

You must register for English 101-102 and Cultural Perspectives every semester until successfully completed; these courses may not be dropped.

Before dropping courses, be aware of full-time/part-time rules for financial aid and participation in college activities.

Check course descriptions for pre-requisites, and study "Course Sequence" (p. 46).

Before taking courses elsewhere, be aware of the general rules for transfer: Courses with a grade of C or above will usually transfer if Centenary has a department in that field. However, check with the registrar for Mathematics equivalencies, and when there is any doubt in your mind.

Freshmen

Study the Student Handbook and Honor Code carefully.

Consult your adviser *whenever* you have any problems or questions about college life. We are here to help; take advantage of the expertise of the faculty and administration!

Sophomores

Students certifying in education must file a degree plan before the end of the first semester of their sophomore year.

Students in intercollegiate athletics *must* declare a major *before* the beginning of the 5th semester of enrollment in college study by filling out a degree plan. (See under Juniors)

Juniors

File a degree plan by the end of the first semester. See the Office of the Registrar. Study "Degree Requirements" in the catalogue you plan to use and the major and supportive requirements for your major.

Students in 3/1 and 3/2 programs: Keep the registrar informed of your address, and have transcripts of your work elsewhere forwarded immediately to that office when requirements are completed. Keep in touch on your plans!

Seniors

Fill out a diploma order at registration for the semester when you will finish.

Be aware that the last 30 hours must be taken at Centenary.

Check your degree plan carefully with your adviser to be sure that you are on the graduation track, and will have a 2.0 average in your major. Remember you cannot file a degree plan in your last semester and plan to be graduated.

Questions regarding academic regalia should be addressed to the Director of Student Activities at *registration* in the first semester.

Transfers and **Second Degree**

Send transcripts of all previous study to the Office of Admissions immediately.

Register for Cultural Perspectives (and English 101 a/o 102 if not previously taken with at least a C.)

Read under **Sophomores** and **Juniors.**

VI.

ACADEMIC REGULATIONS

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. **It is the responsibility of the student both to know the rules of the College and to abide by them.**

The most important of these rules—those which constitute the very foundation upon which the educational program of the College rests—are contained in the Honor Code of Centenary College. As a condition of admission to and registration in the College, every undergraduate student must agree to comply wholly with the provisions of the Code. These provisions, along with other regulations governing College life, are published annually in the student handbook know as the **The Centenary College Student Handbook**. The Honor Court also periodically publishes a booklet containing explanations and interpretations of the Code and its implications. Campus parking and traffic regulations are published in another booklet available at the College business office.

For the smooth and orderly completion of the chosen academic program and the requirements of the degrees offered by the College, it is essential for the student to become entirely familiar with the contents of the Centenary College catalogue.

The course offerings, rules, regulations, and fees appearing in this catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general and academic regulations without notice should circumstances warrant in the judgment of the College.

FACULTY ADVISERS

Each student at Centenary College is assigned a faculty adviser whose duty it is to counsel the student regarding a degree program, vocational or professional interests, the course schedule or each session, and progress toward graduation. Each faculty adviser is available for frequent consultation and will call advisees for conferences in case of deficient grade reports and for semester course program planning. Normally however, it is the student's responsibility to seek advice when needed and there should be no hesitancy in doing so at other than the required times of consultation.

Students normally stay with the faculty adviser assigned to them as freshmen until the sophomore year and their files are transferred to an adviser in their major department. However, they may request the office of the registrar to change advisers at any time; and if another adviser is available, the change will be made.

The faculty adviser must approve, by signature, each student's course program for each semester, including all changes in registration.

REGISTRATION

All students are required to register for each session by the end of the formal registration period designated by the College in the official academic calendar. Registration is not complete until the appropriate cards and forms have been completed and all financial arrangements made. A late fee of $25.00 will be charged for the completion of registration after the final day of registration. No registration is permitted after the date specified in the calendar as the "last day for enrolling or changing courses."

CHANGE OF REGISTRATION

After registration is completed, a fee of $10.00 is charged for any change of registration (i.e., for each course dropped, added, or modified) not initiated by the

College. A change is initiated by the College when the student is required to make the change by an instructor, an adviser, the Registrar, or the Dean of the College. Classes may be added only with the approval of the instructor and the faculty adviser, and require the approval of the Dean of the College; this may be done only until the date designated in the calendar. Classes may be dropped with the approval of the instructor, the adviser, and the Dean until the date designated in the calendar as the "deadline for dropping courses without academic penalty." If a student drops a course or is dropped by a professor after this day, a grade of "XF" will be recorded for the course. This same deadline applies to changing from "credit" to "audit" or vice versa and changing a regular registration to "Pass-Fail" registration or vice versa. Forms for initiation of course changes are available in the Office of the Registrar.

A student may change from one major or degree program to another at any time with the approval of both advisers concerned. Forms are available in the Office of the Registrar.

WITHDRAWAL

If it should become necessary for a student to withdraw from the College, he must secure a form for this purpose and secure the permission of the Dean of the College. Permission will not normally be given except in case of emergency after nine weeks of the semester have elapsed. The student must discharge all financial obligations to the College and be cleared by the College library in order to receive Dean's approval. *Failure to attend classes does not constitute withdrawal, and if students leave the College without completing the withdrawal procedures, they will receive a grade of* "F" *in all courses in which they were registered and will forfeit any right to refund of fees.*

AUDITING COURSES

Students classified as full-time by the College may, with the consent of the instructor, audit courses free of charge (except if in excess of 18 hours). If they desire the audited course to be recorded on their transcript, they must register officially. Upon notification by the faculty member in charge of the course that the student did not actually attend, notation that the student audited the course will be stricken from the record without right of refund of fees.

Persons who are not Centenary students may also audit most courses in the College course-offering (exceptions are performance and execution courses such as those in theatre, art, and music) for a reduced tuition rate. Registration procedures are simplified for students in this program. Consult the Office of the Registrar for information.

CLASSIFICATION

A "regular student" or "full-time student" is defined as one enrolled in at least twelve semester hours of course work. A full-time student in the summer is one enrolled in at least three hours per four-week term. (To receive full VA benefits on a continuous basis, registration must be for at least six semester hours over eight weeks.)

Regular students are classified as follows: freshmen are those with fewer than twenty-seven semester hours: sophomores, those with twenty-seven through fifty-nine semester hours; juniors, those with sixty through eighty-nine semester hours; seniors, those with ninety or more semester hours.

COURSE LOAD

The normal course load is from fifteen to eighteen semester hours. Special permission must be obtained from the Dean of the College for any student to register

for more than eighteen semester hours, and permission will not be given to any student to register for more than twenty-one semester hours. The normal course load for the summer session is six to nine hours; however, permission may be granted by the Dean for a maximum of twelve semester hours.

COURSE SEQUENCE

Courses are numbered as follows: 100's—freshman-level; 200's—sophomore-level; 300's—junior-level; 400's—senior-level. (See p. 65 of this catalogue). Students should not enroll in courses in the upper division (numbered 300 and above) without having taken the prerequisite lower-division courses. Students wishing to take courses numbered higher than their current classification should consult the chairman of the department concerned.

Courses are also designated as sequential-double numbered year courses. (See p. 65). As far as possible, enrollment in these courses should maintain the sequence Students who have failed a course in such a sequence will not be permitted to enroll in the more advanced course without the express permission of the instructor and the Dean. Students who have received an Incomplete grade in a course may, with the permission of the instructor, enroll in the more advanced course.

CLASS ATTENDANCE

The Centenary College faculty and administration believe that regular and systematic class attendance is an important and necessary ingredient of the educational process at Centenary. The College expects students to place a high priority on regular attendance. **Faculty members may establish their own attendance policies.**

Students at Centenary College are responsible for mastery of material presented in the class session of the courses in which they are registered. Members of the faculty are not expected to provide students who absent themselves from class without emergency reason with material (including examinations) covered in class. Faculty members are expected to inform the Dean of Students when students are absenting themselves from an excessive number of classes.

Because of Veterans Adminstration regulations, the faculty must report to the Financial Aid Office any veteran who is absent in excess of three times the number of scheduled class sessions per week. The Director of Admissions will notify the Veterans Administration of the absences.

CONVOCATION ATTENDANCE

The Convocation Program is one way the College brings together the campus community to express and consider the unique values involved in a church-related, liberal-arts education as these values are focused in vital issues, such as education, religion, and social concerns. Recognizing the value of the gathering of the faculty, administration, and student body as a campus community from time to time, the faculty has established the period from 11:10 a.m. to noon on Thursday as a period reserved for such gatherings for academic and religious purposes. No other meetings may be scheduled during this period, by either faculty or students. Cultural Perspectives credit is given to freshmen and transfer students for this participation.

EXAMINATIONS

All students are required to take the written examinations of from two to three hours' duration at the end of the semester in all courses except those in which the material covered does not lend itself to this type of measurement.

CREDIT

Most courses at Centenary meet either three times a week for fifty minutes each period or twice a week for seventy-five minutes each. Carried successfully for one semester, such courses earn three semester hours each. Courses such as laboratory sciences and activity courses like physical education, musical ensemble participation (e.g., choir, band), theatre productions and performances, etc. earn only one semester hour of credit for three class meetings a week.

GRADING SYSTEM

At the end of each semester, letter grades are given in each course. These grades, their general significance, and their equivalent quality points are as follows:

A — work of high distinction; four quality points per hour

B — above average work; three quality points per hour

C — average work; two quality points per hour

D — passing work, but below average; one quality point per hour

F — failing work; no credit, no quality points; hour credit counts as work attempted in calculating averages

XF — the grade recorded for a course dropped after the last day to drop a class; no credit, no quality points; hour credit counts toward work attempted in calculating averages.

P — the grade recorded when a student successfully completes a course under the Pass-Fail system (see p. 47); no quality points; the credit given is not used in calculating averages.

I — Incomplete work; given only when **emergency** prevents the student from completing final examination or other concluding work of the course at the scheduled time. This temporary grade must be removed during the next regular semester by the time listed in the academic calendar, or it is automatically converted to a permanent "F"

W — Withdrawal; no credit, no quality points (see section entitled "Withdrawal")

Each mid-semester, instructors report to the Dean of the College all grades averaging below "C". These are not permanent grades, but are used as warnings that improvement is necessary. Both faculty advisers and students receive these deficiency reports; and students receiving such reports should immediately consult their advisers.

ENGLISH PROFICIENCY

In the evaluation of all academic exercise the quality of English used by the student will be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Every Centenary student is expected to demonstrate a high level of proficiency in oral and written communication. Failure to meet recognized standards of English composition may result in a lower grade in any course.

REPEATING COURSES

Students who have earned a grade of "D" in a course may repeat the course to improve their grade. Hour credit toward graduation is earned only once, even though reflected twice in the total hours attempted; both grades are used in the calculation of cumulative averages.

PASS-FAIL COURSES

Students who have attained sophomore standing may register for pass-fail courses.

The usual credit will be given if the course is successfully completed, but the grade will be recorded simply as "P", and the cumulative grade point average is not affected. However, the student must earn at least a "C" to receive the grade of "P". If the course is not successfully completed for a "P", the student is assigned a grade of "D" or "F", and the cumulative grade average will reflect the "D" or "F".

With the exception of internship courses, no more than eighteen semester hours taken under the "Pass-Fail" system may be attempted toward graduation requirements. Courses may not be taken "Pass-Fail" in a student's major or minor department except for interim, module and internships that are approved by the department.

Students should be aware of the fact that some graduate schools when reviewing transcripts may consider a grade of "P" as equivalent to a "C" grade.

ACADEMIC PROGRESS

1. Students must attain a grade point average of 1.5 their first semester at Centenary College.

2. After their first semester they must maintain a 2.0 "current or cumulative" grade point average during each semester they are enrolled.

3. Students are placed on academic probation if they fail to meet the above requirements.

4. Suspension is automatic for students who fail to maintain the required grade point average for two consecutive semesters.

5. For students to receive a degree from Centenary College they must have attained a minimum grade point average of 2.0 in the department of their major and in all work taken in the College.

ACADEMIC SUSPENSION

Students under suspension must not expect to be admitted to another institution during this semester, nor will any credit undertaken be transferrable back to Centenary.

Suspension is for a minimum of one regular semester. A student under suspension may not count the summer or interim semesters as fulfilling the one regular semester requirement, nor attend the summer or interim while under suspension.

After this minimum period of suspension the student may apply for readmission to the College. Readmission is not automatic; but if granted, the student is readmitted under academic probation.

ELIGIBILITY FOR PARTICIPATION IN ACTIVITIES

When placed on a second or subsequent probation, students are prohibited from representing the College in any extracurricular activity. Activities that are prohibited include, but are not restricted to, intercollegiate sports; choir; band; staff work on campus media; musical performances; dramatics, including backstage work; cheerleading; participation in Student Government Association and related committees.

MAJOR FIELDS AND DEGREE PLAN

As early as possible after deciding upon a major field students should, in consultation with their faculty adviser, plan the remainder of their degree program, so that they may proceed in an orderly way to meet major and degree requirements. Students are required to file their degree plan, approved by their adviser and endorsed by the Registrar, in the Office of the Registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency. Most students find it advisable to file a degree plan upon declaring a major.

A major consists of courses within one department totaling from twenty-four to forty-five semester hours plus courses in one or more related subjects. Although there is no limitation on credit allowed for major and supportive hours, no more than forty-five hours in the major may be included within the total of 124 hours required for graduation. (The hour limitations above do not apply to the B.M. degree.)

A student who transfers more than one half of the upper-division courses required in the field of his major must complete additional hours at or above the 300-level in this major as determined by the chairman of the department concerned.

MINOR

Students may elect to declare a minor in a department outside their major department. A minor is a minimum of 18 hours with at least 6 hours in courses above the 300 level. Requirements for minors are listed in each department. Students must take courses in their minor subject for a letter grade. Courses taken P/D/F are not acceptable.

TIME LIMIT

If a student does not complete degree requirements within seven years after matriculation in this or another collegiate institution, he must complete an additional twelve semester hours at or above the 300 level in his major subject; except that a student who attempts to complete degree requirements entirely by part-time attendance may be exempted from this requirement on recommendation of his major department chairman.

DEGREE REQUIREMENTS

To qualify for the baccalaureate degree at Centenary students must:

1. Eam no fewer than 124 semester hours, three of which must be either 1-99 (Interim in January) or M-99 (May Module), but no more than six hours of I/M-99 courses may be counted toward the 124 required. (Students in 3-1 and 3-2 pre-professional programs will meet only the interim/module requirements of the program.) No more than eight hours may be eamed in activity courses.[1] The last thirty semester hours required for graduation must be taken in residence. No graduate course may be counted toward the 124 hours of undergraduate credit needed for graduation.
2. Eam at least thirty hours numbered 300 or above.
3. Meet the basic requirements for the degree to be earned.
4. Meet all requirements for a major field of study.
5. Maintain a grade point average of 2.0 or higher in all courses taken in the department/area of the major and of 2.0 or higher in all work taken.
6. Have filed a degree plan in the Office of the Registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency.
7. Discharge all financial obligations to the College.
8. Meet the requirements of a catalogue published in one year of attendance and within five years of the proposed graduation date.
9. Be present at the Commencement exercises to receive the degree conferred.

10. Complete the following general requirements:

English 101 and 102, Rhetoric I and II. All entering freshmen and all transfer students who do not offer transferable credit in English 101, 102, are required to register immediately for the sequence English 101, 102. Any student who fails either of these courses must register for the course he failed as soon as that course is offered again in the Fall/Spring schedule. In the meantime he must enroll in the next required English course in the sequence 101, 102. English 101 and 102 may not be dropped or taken pass-fail. A "P" in English from another institution will not transfer except by petition.

English 201-Studies in Literary Genres - or other advanced English literature course.[2]

General Education 101 and 102 - Cultural Perspectives

Physical Education 103 - Dynamic Physical Fitness for Contemporary Society.

Physical Education 201 or 202 - Physical activity course for a life-time sport such as archery, badminton, bowling conditioning, golf, racketball, swimming, tennis, and dance (PED/TSP 121-128).

Math 107 or 108 - or two courses below 107 level excluding 100.

Science and laboratory - Two science courses with laboratories.

11. Take courses in each of the following areas; at least one course must be taken in each A and B subdivision.

I - 3 courses	II - 4 courses[3]	III - 3 courses
A. Art Music Theatre Speech	A. Religion	A. Economics Political Science
B. Foreign Language Foreign Literature in Translation	B. History	B. Psychology Sociology
	C. Philosophy	

NOTE: Not all courses may be used to fulfill the degree and core requirements for items 10 and 11 above. The following courses have been approved for satisfaction of the requirements.[4]

ART: 101, 102, 103-104, 107, 211, 212-213, 305, 306.
ASTRONOMY: 101 and 111.
BIOLOGY: 101 and 111, 102 and 112, 103, and 104.
CHEMISTRY: 101 and 111, 102 and 112, 105 and 115.
ECONOMICS: 101.
ENGINEERING: None.
ENGLISH: 201, 205, 206, 307, 308.
FOREIGN LANGUAGES: 101 and 102 in a single foreign language or any foreign language or literature course numbered 201 or above, including courses in literature in translation.

[1] P.E. 101-102, 201-202, 203, 211; Theatre/Speech 104 through 107; P.E. and Theatre/Speech 121 through 128; Music 151 through 160; Military Science 101, 103, 201, 203, 311, 312, 411, 412.

[2] Also including 205, 206, 307, 308.

[3] No more than 2 courses in Religion, History, or Philosophy may be used to fulfill core requirements.

[4] Students certifying in education may use any courses in departments listed for fulfillment of distributive requirements as long as the courses are required by the State Department of Education.

GEOLOGY: 101 and 111, 102 and 112.
HISTORY: 101, 102, 205, 206.
MUSIC: 111-112, 141-142, 143-144, 170. (If 170, it must be for a total of 3 semester hours.)
PHILOSOPHY: 101, 202, 205, 210, 214, 295, 296,307.
PHYSICS: 101 and 111, 104 and 114, 105 and 115.
POLITICAL SCIENCE: 101, 102, 207.
PSYCHOLOGY: 101, 211.
RELIGION: 101, 102.
SOCIOLOGY: 101, 112, 202, 211, 212, 295, 296, 305, 308, 309, 310, 311, 312, 395, 396,401, 402, 403, 414, 483.
THEATRE/SPEECH: 111, 200.

12. Take at least one course that is described as a W (writing) course. The W (writing) courses offered at the 300 level or above require a minimum of 12 typed pages of graded writing. The 12 pages may be small papers or one major paper. The focus is on quality of writing in the discipline using the College style sheet or the acceptable style within that discipline. A vital part of the experience is intervention on the part of the faculty member to assist the student to reach a point of proficiency in writing in English.

13. Take at least one 300 level or above course that is described as a S (speech) course. The oral presentaton for a course fulfilling the requirements for a S (speech) course should consist of at least 45 minutes of total graded speaking time per student. The presentation(s) should be critiqued and graded on content and speech delivery. The speech(es) should contain prepared as well as spontaneous interaction to questions. Evaluation sheets will be completed for each presentation. Students with problems in speech presentation should have an opportunity to review critiques and make a second presentation. The emphasis is to improve oral communciation skills in English.

14. Take a course designated "Senior Seminar" in the student's major department. The course meets one or both of the following requirements: (a.) a formal written or oral presentation of student's work. In the Fine Arts, the presentation may take the form of a recital, an art exhibit, or a special project; (b.) a comprehensive examination.

15. The S, W, and senior seminar requirements are three distinct requirements and can only be fulfilled by taking three distinct courses. These courses do not necessarily have to be 3-hour courses.

INTERIM AND MODULE

During the January Interim and the May Module, departments of the College offer courses whose topics vary from year to year. These are listed as I-99 or M-99. The purpose of the program is the enrichment of the liberal arts curriculum by concentrated study for a short period on topics of general or specialized interest not normally offered in courses. Some of the courses will involve study off the campus, either at other institutions or in the field.

Students must complete one Interim or Module course for graduation, but two Interim/Module courses may be accepted toward the 124 hours required for graduation. Centenary College will accept as many as two Interim courses from other institutions, provided such courses have clearly been taken as Interim courses as defined by our own regulations. As set forth above, no more than six hours of I-99/M-99 courses may be counted toward satisfaction of the minimum 124 semester-hour requirement for degree; but students who exceed the minimum number of hours for graduation may of course register for additional Interim or Module courses. Students may take only three

semester hours during the Interim or Module. Each course is designed to occupy the student's full time in class, study, research, and independent projects. Interim and Module courses cannot be used to fullfill distributive requirements. With the approval of a student's major department, Interim and Module courses may be used to fulfill a major requirement. Interim/Module courses are taken "P/D/F', see p.47 for details. Interim and Module courses will count toward the total 18 P/D/F hours allowed for graduation.

Departments may offer regular courses during the Interim and Module periods. As many as twelve total hours taken during these time periods may be counted toward the graduation requirement. If students take two Interims or Modules for degree credit, they may also take two regular courses for degree credit. If students take one Interim or Module course, they may take three regular courses for degree credit.

DOUBLE MAJORS

Students who satisfy all requirements of more than one major in a single degree may have both majors entered upon their transcripts and diplomas. However, students who select two major fields of study which involve more than one degree must meet all requirements stated in the section "Second Degree".

SECOND DEGREE

To qualify for a second baccalaureate degree, graduates of Centenary must present a minimum of thirty additional semester hours. Students with a baccalaureate degree from another institution must meet all distributive requirements, either by acceptable credits transferred from the first degree or by work at Centenary, and successfully complete a minimum of thirty semester hours, twenty-four of which must be in residence. Students must meet the degree requirements numbered 3 through 15 listed on pp. 49-51, and meet all requirements of the catalogue of the year they enrolled for the second degree and complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary. Students who satisfy all of the requirements for a second degree may have both degrees conferred in a single ceremony and will receive two diplomas. Students who have earned one degree are not eligible for any institutional awards. These policies apply to all students, including transfers.

Students may take a maximum of six semester hours "Pass-Fail". However, the total number of "Pass-Fail" hours under both first and second degrees may not exceed eighteen semester hours. (See exceptions under "Pass/Fail Courses."). Students wishing to apply to a second major a Pass-Fail course taken under the first degree should consult the chairman of their major department.

CORRESPONDENCE CREDIT

Centenary College does not offer correspondence courses, but a limited amount of elective credit may be earned by correspondence study with accredited colleges and universities. Centenary will accept only those courses which the college or university offering the correspondence study will accept toward its own baccalaureate degree. Neither courses in the student's major field nor courses offered in satisfaction of distributive requirements may be taken by correspondence.

Taking of courses by correspondence for Centenary credit is permitted only by special arrangement with the Dean of the College, and students taking such courses may have to pass a special examination at the Dean's discretion or that of the chairman of the department in which the student is majoring.

SUMMER SESSIONS

Students who plan to attend summer school elsewhere and to transfer the credit to Centenary need not have formal permission to do so, but are advised to consult their faculty advisers and/or department chairmen with regard to the courses proposed. Students are specifically warned that Centenary is reluctant to grant transfer credit for courses taken at junior colleges which are numbered as upper-division courses at Centenary.

ACADEMIC PETITIONS

All Academic regulations are formulated by the faculty to serve the best educational interest of the greatest number of students. Centenary College takes pride in its ability to serve the individual needs of its students, and its faculty has therefore established a procedure to act on the requests of students for exception to, or waiver of, academic regulations that seem inimical to their academic needs. Forms for filing a petition may be obtained in the Office of the Dean of the College.

Centenary seniors robe for the President's Convocation and Founders' Day during their senior year.

ACADEMIC HONORS AND ORGANIZATIONS

GRADUATION HONORS

The baccalaureate degree is awarded with special distinction to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.69 are graduated cum laude; those with averages between 3.7 and 3.89, magna cum laude; and those with averages 3.9 and above, summa cum laude. If a student has attended another institution and on the basis of work done at Centenary would be eligible for graduation honors, the registrar will compute overall average of all work attempted at Centenary and elsewhere to determine eligibility for graduation honors. If the overall average is higher than the Centenary average, the Centenary average will be used to determine which honor is given.

DEAN'S LIST

Students who have achieved a grade point average of 3.50 or better in twelve or more semester hours taken for a letter grade are accorded the academic honor of being on the "Dean's List".

DEPARTMENTAL HONORS

Many academic departments at Centenary offer Honors Programs to interested students of outstanding ability. These programs have been designed by the different departments and approved by the Educational Policy Committee. They may include opportunities for independent study plus papers, research reports, and/or showings or public performances in the case of honors work in the arts. To be eligible for admission to candidacy for honors, a student must have attained a grade point average of at least 3.0 in both major and non-major subjects; have attained junior standing and at the time of admission to the program normally have earned more than half of his credits in work done in residence at Centenary, and have his candidacy for honors approved by his major department and the Educational Policy Committee. To qualify for honors a student must spend a minimum of two semesters in the program and maintain an average of at least 3.0 in both major and non-major subjects.

Attainment of departmental honors through successful completion of this program does not supplant traditional graduation honors (see below). Thus a student may graduate "Bachelor of Science with Honors in Mathematics magna cum laude," or "Bachelor of Arts with Honors in English," or "Bachelor of Science in Biology summa cum laude."

Interested students should consult the chairman of their major department for specific information.

HONOR SOCIETIES

The highest academic recognition that can come to a Centenary student is election to Alpha Chi, national scholastic honor society for juniors and seniors with a 3.5 cumulative average. Omicron Delta Kappa, national honorary fraternity for men and women, recognizes leadership, scholarship, and service in various fields of activity. Outstanding students are elected to this fraternity from the junior and senior classes by members of the circle. Membership in the Maroon Jackets is another of the high

honors that can be bestowed upon a Centenary student. The Maroon Jackets are selected from among students who will be entering their final year, who have excelled scholastically (3.0 average required) and have shown outstanding leadership and service to the College. They are the official hosts and hostesses of the College, representing Centenary at all functions of major importance.

A number of honorary fraternities and service organizations which recognize scholarship in a particular field have chapters on the Centenary campus. These include: Alpha Epsilon Delta, a national honor society for premedical students who have a 3.0 average; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and 2.0 overall average; Sigma Pi Sigma, honorary physics fraternity for students with a 3.0 average and three hours of advanced physics; Kappa Pi, national art fraternity; Sigma Tau Delta, national English honor society; Phi Beta, national speech and music fraternity; Alpha Kappa Delta, national sociology honor society; Phi Alpha Theta, international honor society in History; and Phi Mu Alpha, the national professional music fraternity for men.

HONORS DAY AWARDS

In May a convocation is held and awards are presented to students in many areas. The following awards are made each year.

ACCOUNTING STUDENT AWARD

The Society of Louisiana Certified Public Accountants presents an award to a graduating senior accounting major with a 3.5 minimum overall grade point average.

ACCOUNTING ASSOCIATION AWARD

National Accounting Association presents a trophy to a graduating accounting major with a 3.5 accounting and overall grade point average.

ALPHA EPSILON DELTA AWARD

This award recognizes the A.E.D. initiate with the highest grade point average.

THE ELLIS H. BROWN LEADERSHIP AWARD

Checks are presented to graduating seniors outstanding in scholarship, leadership, character and service to Centenary.

VIRGINIA CARLTON MATHEMATICS AWARD

A book is presented to the freshman who has had one year of calculus and who has accomplished the most in mathematics, maintaining a minimum 3.5 grade point average.

C R C PRESS CHEMISTRY AWARD

A commemorative scroll and the current addition of *The Handbook of Chemistry and Physics* are presented to a freshman student who has shown outstanding achievement.

UNDERGRADUATE AWARD IN ANALYTICAL CHEMISTRY

A 9-month subsription to ANALYTICAL CHEMISTRY and membership in the Division of Analytical Chemistry is presented to students completing their third year who display an aptitude for a career in this area.

CHI OMEGA SOCIAL SCIENCE AWARD

A plaque in the Chi Omega House honors the senior majoring in Sociology or Psychology who has achieved above average accomplishment both academically and through campus organizations.

DAUGHTERS OF THE AMERICAN REVOLUTION AWARD

A medal is awarded to a student in the top 25% of R.O.T.C. class; who has demonstrated qualities of loyalty and patriotism, dependability and good character, adherence to military discipline, leadership ability and a fundamental and patriotic understanding of the importance of R.O.T.C. training.

THE TIP DAVIDSON AWARD

A plaque is presented to the graduating senior receiving the B.S. degree in Physical Education who has shown physical education, intramural and recreation leadership for the Centenary Community, and whose personal lifestyle best reflects the values of physical fitness.

THE D. L. DYKES FOUNDERS' AWARD

At their Endorsement Service an award is presented by the Centenary School of Church Careers to a student who has demonstrated excellence in his/her field education and field work settings.

EDUCATION HALL OF FAME

The names of outstanding graduates majoring in elementary and secondary education are engraved on a plaque which is located in the Department of Education.

ENGLISH VICTORY AWARD

A cash award is presented to the graduating English major with the highest cumulative grade point average.

ESTWING MANUFACTURING COMPANY AWARD

A rock hammer is presented to the most outstanding graduating senior majoring in geology.

THE JOHN A. HARDIN AWARD

A book is presented to the most outstanding senior mathematics major who has a 3.5 minimum grade point average and has shown potential creativity in the field of mathematics.

THE HARRISON AWARD FOR ACADEMIC EXCELLENCE

A check is presented to a student who has demonstrated academic excellence.

THE A. J. AND NONA TRIGG HODGES CHOIR SPIRIT AWARD

Checks are presented to the man and woman voted by their peers to be the most outstanding choir members.

INTERFRATERNITY COUNCIL PRESIDENT'S TROPHY

The President's Trophy is awarded to the fraternity with the highest grade point average for the Fall Semester.

THE C. WRIGHT MILLS AWARD

An award is presented to the sociology major best exemplifying C. Wright Mills' vision of promise of sociology and demonstrating sociological imagination.

OUTSTANDING AMERICAN HISTORY STUDENT

The Colonial Dames of America, Chapter 6, present a check to the student who has the most outstanding record of academic success in American History.

OUTSTANDING ATHLETES AWARD

Plaques are presented to the man and woman who through their performance during the academic year did the most to enhance the image of Centenary's intercollegiate athletic program.

OUTSTANDING FRESHMAN MUSIC MAJOR AWARD

A plaque is presented to an outstanding freshman music major.

OUTSTANDING MUSIC MAJOR AWARD

A plaque is presented to a music major entering the senior year.

PHYSICAL EDUCATION AWARD

Plaques are presented to the man and woman receiving the B.S. degree in Physical Education who have maintained high grade point averages and displayed evidence of departmental leadership and professionalism.

THE THOMAS PITT AWARD

A check is presented to the junior or senior student planning a church-related career who has demonstrated significant academic performance as evidenced by the grade point average in religious studies.

THE DR. W. FERRELL PLEDGER HONOR AWARD IN SOCIOLOGY

A check is presented to the sociology major graduating with the highest grade point average. The recipient's name is also engraved on a departmental plaque.

R.O.T.C. SUPERIOR CADET DECORATION AWARD

Medals and certificates are presented to Military Science students who are in the top 25% of R.O.T.C. class and have demonstrated officer potential and a high degree of leadership potential.

THE CHARLES M. ROSS SCHOLARSHIP

Two $1,000 scholarships are awarded seniors committed to world service for graduate training in the fields of religion, sociology, medicine and education.

THE PEGGY ROUNTREE AWARD

A plaque hangs in the Chi Omega House honoring the member who depicts the ideals of Peggy Rountree, — vivacity, extroversion, involvement on campus, high standards of scholarship.

S.G.A. BULLET AWARD

The Student Government Association recognizes a student for outstanding service to Centenary through the S.G.A.

THE JAMES SEARS AWARD

Presented at the Church Careers Endorsement Service to the student pursuing a church-related career who has made a substantial contribution to the church careers community.

SIGMA TAU DELTA AWARD

The name of the senior student graduating in Art, English, Foreign Languages, Music, Philosophy, Religion or Theatre/Speech, with the highest cumulative grade point average is engraved on a plaque which hangs in the Library.

THE DEAN R. E. SMITH AWARD

A check is presented to the student who has been highly involved in and made significant contribution to the religious activities program.

THE SUE SOLOMAN SCHOLARSHIP AWARD

A plaque to be hung in the Chi Omega House honors the graduating Chi Omega senior with the highest grade point average.

THE W. A. TARR AWARD

Sigma Gamma Epsilon National Earth Science Honor Society presents a certificate to the individual who has contributed the most to the chapter's activities and welfare, and who best exemplifies the traditions of the society.

THE LEROY VOGEL MEMORIAL AWARD

A check is presented to the outstanding graduating senior majoring in history or political science, based on overall academic achievement in his major.

WHO'S WHO AMONG STUDENTS IN AMERICAN COLLEGES AND UNIVERSITIES

Certificates are presented to juniors and seniors selected on the basis of grade point average, leadership and service to the college community.

President Webb visits with faculty members following the President's Convocation.

VII.

COURSES OF INSTRUCTION

DEGREE OFFERINGS

Centenary College offers three undergraduate degree programs, one leading to the Bachelor of Arts, another to the Bachelor of Science, and a third to the Bachelor of Music.

B.A degree programs include the following majors:

Art
Biology
Chemistry
Christian Education
Economics
English
Foreign Languages (any major-minor combination of French, German, Latin and Spanish)
French
Geology
History
Liberal Arts
Mathematics
Music
Performing Arts
Philosophy
Physics
Political Science
Psychology
Religion
Science Education
Social Studies Education
Sociology
Spanish
Speech
Theatre

B.S. degree programs include the following majors:

Accounting
Biology
Business
Chemistry
Elementary Education
B.S., B.A. combined degree in Engineering
Geology
Mathematics
Physical Education
Physics

B.M. degree programs include the following majors:

Performance
Music Education
Sacred Music
Piano Pedagogy
String Pedagogy

LIBERAL ARTS MAJOR

Students who do not wish to concentrate in a single discipline may elect to major in the "Liberal Arts," and under the guidance of a faculty committee select three or four departments in which they will complete the requirements of this major. In additional to the general distributive requirements, such students must complete work in a foreign language through the intermediate level and forty-eight hours in the three or four major departments selected with a minimum of twelve hours in each of the departments. These departments must represent more than one of the academic divisions of the College. Twenty-four of the major hours must be at the 300 level or above, and none of the forty-eight may be used to fulfill distributive requirements.

The student wishing to pursue the B.A. degree in Liberal Arts must apply to the Dean of the College for admission.

INTERDISCIPLINARY MAJOR

Interdisciplinary majors are available in some areas. In consultation with their advisers and appropriate departmental chairpersons, students may create an interdisciplinary major with the approval of the Educational Policy Committee.

Proposals must identify the departments and courses involved. Courses which are used to fulfill distributive requirements may not be counted toward the interdisciplinary major.

The student wishing to pursue the interdisciplinary major must apply to the Dean of the College for admission.

B.A. IN PERFORMING ARTS

This degree is designed for students who want to pursue a career in performing arts. Prospective candidates must audition and demonstrate a strong potential in one of the three areas of concentration: acting, dance, and music, in order to be accepted.

Required courses:

1. Theatre: TSP 102, 103, 201, 204, 303, 307 or 308, 401, 402, 405.

2. Dance: TSP 121, 122, 123, 124, 125, 126, 127, 128, 327, 328, 370, and 8 hours from the intermediate or advanced level techniques courses. Students who already have proficiency past the beginning level in dance may substitute more advanced courses in this area for the required beginning level courses.

3. Music: MUS 107, 111, 112, 141, 142, 4 hours from 170 and 270, 2 hours in Ensemble, and piano proficiency.

4. At least 6 hours of a single foreign language.

THE BACHELOR OF MUSIC DEGREE

The various majors under the bachelor of music degree are designed to prepare students for professional careers in the fields of music education, performance, church music and string or piano pedagogy. The course requirements common to all but the music education majors are:

1. Music theory: MUS 111-112, 211-212.
2. Music history and literature: MUS 141-142, 341-342, 441-442.
3. Applied music: MUS 100, 200, 300, 400 or 150, 250, 350, 450.
4. Ensembles: One for each semester in which a student is enrolled as a music major with a maximum of eight being applied for the satisfaction of graduation requirments
5. English: ENG 101-102, 201.
6. Physical Education: PED 102 in addition to one elective.
7. One course each from Division II and Division III.
8. Foreign language or foreign literatures in translation.

The specific requirements for the various majors within the bachelor of music degree may be found on page 122 (the departmental section of the catalogue).

ACADEMIC PROGRAMS

Centenary is primarily a liberal arts college; it is nonetheless, sensitive to the special professional and vocational needs of students in the 1980's. With these needs in mind, the College offers a variety of programs specially designed to provide students the requisite training in a particular field so that they will have, upon graduation, a choice of options such as graduate study, additional professional training in a business or industry, or direct entry into a career.

A program, defined in terms of these special needs is a formalized body of academic courses and practical field opportunities intended for the student who wishes to explore pre-professional preparation or to enter a career directly upon graduation. The academic and practical experiences are designed to assist the student in developing skills, insights, practical information, and academic background that relate to definite career choices.

Students interested in a program apply to the program coordinator for a plan of study and field experiences. Students may enter a program no earlier than the sophomore year; normally, field experiences will not begin until the junior year. Programs and majors should not be confused; they are two different entities. The course work in any

program does not constitute a major. For example, elementary education is a major; secondary education is a program; biology and chemistry are majors; pre-medicine is a program; Christian education is a major; church careers is a program.

While Centenary College encourages participation in a program, it is possible for a student to have a major and not be enrolled in a program. However, it is not possible for a student to receive a degree from Centenary College solely by participating in a program; he or she must also have a major.

PRE-PROFESSIONAL PROGRAMS

Certain programs are design to prepare the student for graduate and professional school. The following is a list of the current pre-professional programs and program coordinators:

Church Careers	Dr. Donald Emler
Dentistry	Dr. Rosemary Seidler
Engineering	Dr. Warren White
Forestry	Dr. Bradley McPherson
Law	
Mathematics/Computer Science	Dr. David Thomas
Medical Technology	Dr. Beth Leuck
Medicine	Dr. Rosemary Seidler
Pharmacy	Dr. Bradley McPherson
Physical Therapy	Dr. Beth Leuck
Theology	The Reverend Robert Ed Taylor
Veterinary Medicine	Dr. Bradley McPherson

THE PROGRAM FOR CHURCH CAREERS

The Church Careers Program prepares men and woman for vocations as skilled church professionals. Churches of many denominations actively recruit graduates endorsed by the Program. Students are prepared for work in Christian education, sacred music, youth work, children's work, church social work, certain areas of religious communications, program coordination, and church administration, as well as for seminary and graduate study. While many graduates immediatley begin church careers, others elect to pursue further study or advanced certifications, with a consistent record of high achievement.

The Church Careers Program has developed a new standard and a new model for training church professionals at the undergraduate level. Centenary is the originator of this comprehensive program of education, supervision, field work, and spiritual growth. The Church Careers Program is a growing community of Christian faith that forms an integral part of the life of the College.

Those students who meet the established Program criteria receive, in addition to their academic degree, a certificate of endorsement by the Program. Endorsement is a way of recognizing students' successful completion of educational opportunities far more encompassing than those required for their academic degree. In addition to meeting all standards for a degree in an approved academic major, Church Careers students participate in an intense program of group life, the keeping of a journal, field education, special seminars, and colloquiums which add depth and breadth to their professional preparation.

By endorsing students, the staff of the Program not only affirms their completion of requirements, but recommends them for the next step in pursuit of a career with the church. For some, that will mean further preparation in seminary or graduate school. For others, it will mean immediate employment in the church. Prospective church employers should give careful attention to the area in which each student is endorsed.

Three vocational tracks have been established to meet different needs: Christian education, sacred music, and pre-seminary.

Students who wish to receive the endorsement of The Church Careers Program should be able to meet the following criteria:

SATISFACTORY COMPLETION OF
- an approved major
- all degree requirements
- CSCC Program requirements

PROMISE OF EFFECTIVE PROFESSIONAL SERVICE
BY EVIDENCE OF
- personal maturity and stability
- satisfactory spiritual formation
- commitment to the institutional church
- ability to relate to and work with others
- satisfactory competency within a track

Church Careers Program students represent many different religious traditions and some come from throughout the United States and several foreign countries. Each is seriously considering the possibility of a church-related vocation, though each may have experienced the church's call in a different way. Interested students should consult the director of the Church Careers Program.

PRE-LAW

The Association of American Law Schools considers it unwise for a college to specify one particular curriculum for all undergraduate students who intend to enter law school. Rather, it advises the student to select a major in a rigorous, demanding, and personally satisfying area of study.

Entering pre-law students who have not selected a particular academic major are assigned to a faculty member designated to assist such students in the choice of a major. Later both the major adviser and the pre-law adviser continue to advise pre-law students.

"THREE-TWO" (AND "THREE-ONE") PROGRAMS

Engineering

Centenary, in cooperation with Columbia University, Stanford University, Louisiana Tech University, Texas A&M University, Case Western Reserve University, Southern Methodist University, and Tulane University, offers the "three-two" program in liberal arts and engineering science (known also in the Columbia relationship as the "Combined Plan"). Under this program, students pursue concentrated studies in the liberal arts at Centenary for three years, followed by two years' professional work at one of the above institutions. At the end of the five years of study, the B.A. degree from Centenary and the B.S. degree in engineering at the cooperating institution are simultaneously awarded. Engineering 3-2 students are exempted from the senior seminar and are only required to take one interim. Students interested in the "three-two" engineering program should consult the coordinator of the pre-engineering program.

Forestry

An additional "three-two" program is available in cooperation with the Duke University School of Forestry. After a coordinated and integrated program of studies in liberal arts and basic sciences at Centenary for the first three years, the next five semesters are spent in the Duke School of Forestry. Upon successful completion of the professional program of study, a student will have earned the B.S. in biology from Centenary and the Master of Forestry from Duke. Interested students should confer with the coordinator of the pre-forestry program.

Mathematics/Computer Science

This program is designed to enable a student to finish two degrees in five years, a B.A. in mathematics from Centenary and a B.S. in computer science from Southern Methodist University. A student completing this program is prepared to work interchangeably in computer science and other mathematically related fields or to continue study in graduate school either in computer science or in pure or applied mathematics.

Since this program is planned to begin with a first course in calculus, the recommended high school background should include trigonometry and advanced mathematics.

Further information may be obtained from Dr. David Thomas, Coordinator of Programs in Computer Science.

MEDICINE (AND MEDICAL TECHNOLOGY)

In addition to a standard, four-year pre-medical program wherein a student would take a bachelor's degree, the College also offers "three-one" programs for students interested in the study of medicine or medical technology. Under these plans, the student may complete all major and general education requirements in three years of study at Centenary and upon successful completion of one year of medical studies at a medical school or one year of a medical technology program in an accredited hospital, the B.S. degree is awarded by the College. Interested students should confer with the coordinators of the pre-medical technology and pre-medicine programs.

CAREER PREPARATION

The following is a list of current professional programs designed to prepare students for entry into a career immediately upon graduation; for additional information concerning any of these, contact the appropriate program coordinator.

ACCOUNTING	Dr. Barrie Richardson
BUSINESS/SPANISH	Dr. Arnold Penuel
CHURCH CAREERS	The Reverend Herbert M. Scott
COMMUNICATIONS	Dr. Jeff Hendricks
COMPUTER SCIENCE	Dr. David Thompson
DANCE	Mrs. Ginger Folmer
EARLY CHILDHOOD EDUCATION	Dr. Robert Hallquist
ELEMENTARY EDUCATION (MAJOR)	Dr. Robert Hallquist
JOURNALISM	Dr. Jeff Hendricks
GENERAL BUSINESS	Dr. Barrie Richardson
MUSEUM MANAGEMENT	Mr. Willard Cooper
PETROLEUM LAND MANAGEMENT	Dr. Barrie Richardson
PUBLIC ADMINISTRATION	
SECONDARY EDUCATION	Dr. Robert Hallquist
TEACHER/COACH	Dr. James Farrar

THE COURSE OF STUDY IN PRACTICAL ETHICS

Career education at a liberal arts college provides the student with an enviably unique combination of assets (1) special skills needed to secure the all-important entry job; (2) general skills needed for upward mobility on the corporate ladder; (3) broad and general information and understanding necessary to cope with abrupt and unanticipated opportunities or contingencies in a career. The Course of Study in Practical Ethics is designed to serve the second and third interests in career education.

Today, society has grown so complex and technological innovation so advanced that professionals face practical problems that earlier generations could not have anticipated. These complex and perplexing problems include environmental pollution, genetic engineering, experimentation on human beings, costly health care, artificial prolongation of life, rights of privacy and personal freedom in law and health care, consumerism and responsibility of business—to name only a few. But all of these urgent practical problems are also ethical problems, and past ethical thought and guidelines are insufficient to help professionals cope with these problems. Hence, there has been a dramatic growth in cooperation between philosophy and the professions in areas such as medical ethics, business ethics, legal ethics, and environmental ethics. Increasingly, today's professionals will be expected or required by their clients or organization to be informed and understanding about these practical ethical issues. The professionals that are so prepared will be able to make contributions that will advance their career and increase their own professional self-satisfaction.

The Philosophy Department at Centenary offers a set of courses to serve this practical and ethical need in contemporary career education. Three general courses—Practical Logic, Ethics, and Seminar in Practical Ethics—provide broad background and essential foundation in practical ethics; a fourth course and independent study are required so that students can specialize in the specific area of practical ethics that refers to their particular choice of career or profession. Students are required in this independent study to choose a professor in their major department or career program to serve as a consultant and resource person. Interested students are cordially invited to contact a member of the Philosophy Department for further details about the Course of Study in Practical Ethics.

COURSE LISTINGS

On the following pages is a complete listing of the courses offered at Centenary College. In addition, a schedule of classes is published during the semester before each registration period which lists all sections of all courses to be offered during the succeeding session, together with the hour, day, and place of meeting, and generally the instructor in charge of each section.

Courses are numbered according to the class-year in which each is generally most profitably taken: 100-199 for freshmen, 200-299 for sophomores, 300-399 for juniors, and 400-499 for seniors. This is not an absolute restriction, but students wishing to take courses numbered higher than their current classifications should see the chairman of the department concerned. Courses with numbers beginning with zero carry no college credit.

Unless otherwise specified in the course description, courses normally offered in the fall semester bear odd numbers, while those offered in the spring semester carry even numbers. Courses with a single number are one-semester courses; those with double numbers are two-semester courses.

Courses organized so that the student may enroll in and receive credit for either half, or in either order, have double numbers separated by a comma: 205, 206. Year

courses in which the first half is prerequisite to the second have double numbers separated by a hyphen: 205-206.

Courses whose numbers are followed by a W, e.g. 357W, are designated as writing courses and will require a minimum of twelve typed pages of graded writing. The twelve pages may be small papers or one major paper. The focus is on quality of writing in the discipline using the College style sheet or the acceptable style within that discipline. A vital part of the experience is intervention on the part of the faculty member to assist the student to reach a point of proficiency in writing.

Courses whose numbers are followed by an S, e.g. 401S, are designated as speech courses and will require at least forty-five minutes of total graded speaking time per student. The presentation(s) should be critiqued and graded on content and speech delivery. The speech(es) should contain prepared as well as spontaneous interaction to questions. Evaluation sheets will be completed for each presentation. Students with problems in speech presentation should have an opportunity to review critiques and make a second presentation. The emphasis is to improve oral communication skills.

To earn three hour's credit, the student normally spends each week three 50minute periods in the classroom, or two or three such periods and three or more hours in the laboratory. The faculty has designated certain activity courses—in music, theatre, physical education, etc.—as one-semester-hour courses. No more than eight hours earned in such courses may be credited toward the basic degree requirement.

In the following listing of courses of instruction, the number of semester hours awarded for the course is specified to the right of the course title. In the offerings of some natural science departments, the number of weekly hours of class work and laboratory is shown in parentheses at the end of the description: for example, (3-3) indicates that the course requires three hours of lecture-discussion and three hours of laboratory work each week of the semester.

The Art Department offers courses in drawing, pottery, sculpture, painting and printmaking.

ART

(ART)
Professor W. Cooper, *Chairman*
Assistant Professor: Allen
Lecturers: Dupree, Johnson, Nelson, Sutton

The Art Department is an integral part of the liberal arts program and is not intended to take the place of a professional art school, but rather to furnish a broad background of basic knowledge in order to increase the possibility of full expression. The goal of the department is to give the student sound training in drawing, painting, sculpture, art history, and technique and to encourage creative thinking and productivity.

For the B.A. in art a major must take thirty-eight (38) semester hours in the department, including:

For a B.A. in Painting:

(1) Studio courses, which should be taken consecutively: 103-104, 203, 303-304, 401-402, and 482.
(2) 101-102: Survey History of Art.
(3) 212: Basic Sculptural Form.
(4) 301: Printmaking.
(5) 307: Materials and Techniques of Painting.

Supportive courses required are:

(1) Philosophy 205: Aesthetics.
(2) A foreign language through the intermediate level.

For a B.A. in Sculpture:

(1) 103-104: Art Fundamentals.
(2) Studio courses, which should be taken consecutively: 212-213, 312-313, 412413, and 482.
(3) 101-102: Survey History of Art.
(4) 301: Printmaking.
(5) 307: Materials and Techniques of Painting.

Supportive courses required are:

(1) Philosophy 205: Aesthetics.
(2) A foreign language through the intermediate level.

MINOR REQUIREMENTS:

Art 101-102, 103-104, 212-213* plus at least 6 hours of art courses at the 300 + level.

*(Art 211 may be substituted for 213).

MUSEUM MANAGEMENT PROGRAM

A student may major in any area and take the following courses: Art 101-102, 103, 305, 306; Foreign Languages 101-102, 201-202; Philosophy 205; Speech 200; Accounting 203-204; Business 321 and 346; History 101-102; Computer Science 101 and an Internship in the Meadows Museum or a related area.

101. SURVEY HISTORY OF ART 3
A historical survey of painting, architecture, and sculpture from prehistoric times through the Middle Ages.

102. SURVEY HISTORY OF ART 3
A history from the Italian Renaissance to the contemporary schools in Europe and the United States.

103-104. ART FUNDAMENTALS 3-3
Basic training stressing draftsmanship and the elements of two and three-dimensional design. Drawing done in black and white and in color. Compositions are brought in for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced studio courses. Six studio hours a week.

107. ART APPRECIATION **3**
Arts of the past and present studied in relation to their social and cultural backgrounds. No credit toward an art major.

203-204. ADVANCED DRAWING AND COMPOSITION **3-3**
The essentials are still stressed with more experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week.

205-206. ADVANCED PAINTING IN WATER COLORS **3-3**
Six studio hours a week.

207. ART FOR THE ELEMENTARY TEACHER **3**
A study of art education as it relates to child growth and development. Emphasis is placed on methods of teaching and the development of a functional art program for grades K-8.

208. INTERIOR DESIGN AND DECORATION **3**
A historical survey of interior design from ancient Egypt to the present day, with special emphasis on the styles and trends of each of the well-known periods. The course is primarily academic, but some laboratory work is required.

209. COMMERCIAL ART **3**
Offered on demand.

210. CRAFTS FOR CHILDREN **3**
The prospective teacher is trained to nurture creativity in children through guided exploration of the media, tools, and techniques of the various handicrafts.

211. HAND BUILT POTTERY **3**
Basic clay techniques including the design and creation of a variety of pottery forms by hand built and molded methods, along with practice in kiln loading and firing. Four hours of lecture and studio per week with outside work.

212-213. BASIC SCULPTURAL FORM **3-3**
The basic aspects of sculpture are explored by working with clay, plaster, wire, string, wood, cardboard and other simple materials. Four hours of lecture and studio per week with outside work.

217. INTRODUCTION TO PHOTOGRAPHY **3**
An introduction to the basic principles of photography as an art form, focusing upon composition, types of cameras, fundamental lens designs, and printing. Students furnish their own adjustable cameras and supplies. Offered every semester, Prerequisities: sophomore standing or higher.

301-302. PRINTMAKING **3-3**
Prerequisite: Art 204 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work.

303-304. PAINTING **3-3**
Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

305. HISTORY OF AMERICAN ART **3**
The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning.

306. FOUNDATIONS OF MODERN ART **3**
The development of artistic independence in France (from Neo-Classicism to Cubism) is studied in its social, political and economic context.

307. MATERIALS AND TECHNIQUES OF PAINTING **3**
Prerequisite: 204 or instructor's approval. A systematic study of the less common methods of paintings, including encaustic, polymer, eggtempera, casein, and plastics and an examination of the techniques of some of the old masters. Lecture, studio, and outside work.

308. MATERIALS AND METHODS IN ART **3**
A study of art education as it relates to middle and upper school students, with emphasis on developmental capabilities. Stress is placed on methods of teaching art and developing programs involving both two and three dimensional concepts for grades 7-12.

311. ADVANCED POTTERY **3**
Prerequisite: Art 211 or Instructor's approval. Advanced clay forming techniques will include wheel thrown, large scale slab construction, complex molds and others. In addition, the practices of glazing and firing will be further explored. Four hours of lecture and studio per week, with outside work.

312-313 SCULPTURE **3-3**
Prerequisite: Art 103-104, Art 212-213. The materials and techniques of sculpture are explored through

classroom projects and assignments in areas such as: carving, modeling, constructing, welding, moldmaking, and casting. Four hours of lecture and studio per week plus outside work.

395-396. SELECTED TOPICS **3-3**

Prerequisite. Permission of the chairman of the department. Courses which deal with different topics or problems each semester (e.g., artists, styles, historical periods, studio problems, etc.).

400. ART INTERNSHIP **3**

Supervised internship with an approved employer in an appropriate professional area such as museum work, commercial art and arts administration. Students are required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area. Offered on demand.

401-402. ADVANCED PAINTING **3-3**

During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a senior exhibit of his best work. Outside compositions will be brought in each week. Six studio hours a week.

412-413. ADVANCED SCULPTURE **3-3**

Prerequisite: Art 312-313. During the final year the student is encouraged to develop a personal philosophy of art. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a senior exhibit of his/her best work. Four studio hours a week with outside work.

472. SENIOR SEMINAR **2**

Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all the courses required for a major in art. Second semester.

491-496. INDEPENDENT STUDY IN ART **1-6**

Open to qualified students by permission of department chairman. Work may be done in research and reading or studio related areas. The student will follow a work plan arrived at in cooperation with the instructor and must consistently furnish evidence of seriousness of purpose.

I-99. INTERIM STUDIES **3**

Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**

Special topics offered during the May Module.

BIOLOGY

(BIO)

Professor McPherson, *Chairman*

Associate Professors: B. Leuck, E. Leuck

Courses in this department are designed to emphasize the cultural values of the life sciences and to apply biological concepts to man. The program provides a broad background for the non-science student as well as the future biologist. Classroom and laboratory experiences are complemented by off-campus opportunities designed to prepare students for graduate study in biology. The biology curriculum is the appropriate choice in preparation for numerous professions related to the life sciences.

MAJOR REQUIREMENTS FOR THE B.S. IN BIOLOGY

1. Thirty-six semester hours in biology courses including 103,104, 201, and 313. Sixteen hours must be 300-level or above.
2. Supportive courses:
   8 hours in Organic Chemistry 201, 211, 202 and 212;
   6 hours in General Physics 104 and 105;
   Mathematics through Calculus II.

MAJOR REQUIREMENTS FOR THE B.A. IN BIOLOGY

1. Thirty-two semester hours in biology courses including 103, 104, 201, and 313. Sixteen hours must be 300-level or above.
2. Supportive courses included:
   Chemistry through Organic 201, 211, 202, 212;
   Mathematics, six hours through 107 or higher level;
   Statistics, any sequence presently taught;
   Foreign language through intermediate level.

High school graduates who have completed advanced courses in high school biology and who have taken Advanced Placement or CLEP tests should meet with the department chairman to consider modified programs based on their achievement scores.

MINOR REQUIREMENTS FOR BIOLOGY

Students electing to minor in biology should take 20 hours of biology including 103, 104 or (101-111, 102-112) and 8 hours elected from 207, 313, 307, or 304. Education majors considering this option should consult state certification requirements. (see pp. 86-90).

DEPARTMENTAL HONORS IN BIOLOGY

For a student to be considered for admission to the Honors Program in Biology, he or she must meet the general College requirements for admission to such programs. In addition to the general requirements, a student in the Biology Honors Program must undertake an independent research project for four semester hours of credit beyond the thirty-six hours required for the biology degree. The results of the research must be presented in a form acceptable for publication and as an oral report before an audience that includes the biology faculty.

All students enrolling in the department must complete Biology 101-102, 111-112; or 103, 104 as prerequisites for all other course work in biology.

101-102. PRINCIPLES OF BIOLOGY **3-3**
(Labs must be taken with courses)

A study of the general principles and phenomena common to both plants and animals. The following topics are considered: the cell concept; physical and chemical bases of metabolism; morphology and

developmental history of representative plants and animals; patterns of behavior; evolutionary processes and genetic mechanisms; and ecological associations. (3-3)

111-112. PRINCIPLES OF BIOLOGY LABORATORY **1-1**
Prerequisite. Concurrent registration in or credit for appropriate lecture course, 101 or 102. Lecture section may not be taken without laboratory unless previous credit for laboratory has been obtained. The laboratory work is designed to reinforce biological concepts by application of the scientific method. (3-3)

103. INTRODUCTION TO CELL BIOLOGY **4**
A survey of the fundamental principles of cell structure and function; including the variety of cell types, cellular metabolism, cellular reproduction and genetic principles. (3-3)

104. GENERAL ZOOLOGY **4**
An introduction to the principles of animal structure, function and evolution. The course will emphasize phylogenetic relationship based on a study of morphological variation, embryological development and physiological processes. (3-3)

201. GENERAL BOTANY **4**
The course deals with the structural modifications of plants relative to their function and resultant ecological diversity. Emphasis will be placed on internal and external processes as they relate to plant cultivation and survival. A survey of the ecological, evolutionary, and phylogenetic relationships among major plant groups will be presented. (3-3)

207. HUMAN ANATOMY AND PHYSIOLOGY **4**
A systems approach is used in the presentation of the structure and function of the healthy human body. It is a basic but thorough course designed primarily for physical education, physical therapy, nursing, and medical technology majors. It is not designed for those planning to attend medical, dental, or graduate school. Offered each fall. (3-3)

301. COMPARATIVE ANATOMY **5**
A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy, and cat. (3-6)

302. EMBRYOLOGY **4**
Gametogenesis, fertilization, and early embryonic development of chordates; vertebrate ontogeny as seen in the chick and pig. (3-3)

304. ECOLOGY **4**
Prerequisites: Chemistry 101-102; Chemistry 111-112. A study of the interrelations of living things with reference to their non-living environment. (3-3)

307. MICROBIOLOGY **4**
A survey of microorganisms and their role in nature. The importance of bacteria, fungi, and viruses as agents of disease will be considered. The laboratory will emphasize bacterial and fungal form, function, culture and control. Offered in even-numbered years. (3-3)

309. PLANT MORPHOLOGY **4**
Prerequisite: Biology 201. A phylogenetic study of plants from the simpler to the more complex, specialized forms. Comparison of plants through the ages, emphasizing relationships of living and fossil forms, reproduction and development of the plant body. Offered in odd-numbered years. (3-3)

310. PLANT SYSTEMATICS **4**
A treatment of concepts in systematic thought as well as a thorough treatment of seed plant taxonomy that emphasizes elements of the regional flora. (3-3)

311. PHYSIOLOGICAL PSYCHOLOGY **3**
Offered yearly. (Same as Psychology 311.)

313W. GENETICS **4**
The fundamental concepts of heredity with consideration given to both modern and classical genetics. Microorganisms, as well as Drosophilia, are used in the laboratory to acquaint the student with the procedures and techniques used by the geneticist. (3-3)

314. MICROTECHNIQUE **4**
Methods of preparing tissues for microscopic study. Alternate years. (2-6)

321. BIOCHEMISTRY I **3**
Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes. (Same as Chemistry 321)

322. BIOCHEMISTRY II **3**
Prerequisites: Chemistry 202,321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Offered yearly. (Same as Chemistry 322)

395,396. SELECTED TOPICS **3-3**
Prerequisite: Depends upon topic. A detailed study of an area of biology not normally covered in regular courses. May be repeated once for credit when a different topic is studied.

398. COLLOQUIUM, OAK RIDGE SEMESTER **1**
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as, Chemistry 398/Math 398/Physics 398)

399. RESEARCH, OAK RIDGE SEMESTER **1-6**
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Chemistry 399/Math 399/Physics 399.)

400. INTERNSHIP **3**
Prerequisites: Junior standing and approval of the departmental faculty. Assignments in an applied biological work experience will involve a minimum of 120 hours. A final oral presentation and written summary of the semester's work are required. Offered on demand.

402W. ANIMAL PHYSIOLOGY (FORMERLY GENERAL PHYSIOLOGY) **4**
Biology 301 and Chemistry 202 are recommended. The course will emphasize the application of the fundamental principles of organismal physiology to the physiological adaptation of organisms, including man, to their environments. (3-3)

403. VERTEBRATE BIOLOGY **3**
A survey of the vertebrates and their role in the ecosystem. Emphasis will be placed on the identification and systematics of Louisiana vertebrates. The evidence, principles, and logic supporting evolution and speciation will be discussed as they relate to vertebrates. The course will be offered in even-numbered years. (3-3)

405. IMMUNOLOGY **4**
A survey of the principles of immunology with an emphasis on the antigen-antibody reaction as it applies to the immune response. (3-3)

406. HISTOLOGY **4**
Prerequisite: Biology 207 or 301. Microscopic study of the tissues and organs of the human body. Alternate years. (2-6)

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: 20 semester hours of biology. Each candidate must submit written proposal for departmental approval in advance of his intention to register for this type of study. Experimental work on an assigned problem. A final written report and oral presentation are required.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special Topics offered during the May Module.

SCHOOL OF BUSINESS

Professor Richardson, *Dean*
Adjunct Professor:Chumley
Associate Professor: Christensen
Assistant Professors: Boze, Hoaas
Instructor: Davis, Reburn
Lecturers: Baker, Carter, Jackson, Raney, Young, Zahm

ECONOMICS

(ECN)

Economics offers education for students interested in understanding our economic society, both public and private institutions. The program is broad in nature. Majors may choose to pursue graduate study in economics, business administration, law, public administration, international relations, and other areas.

Students may be admitted to the Departmental Honors Program if they have attained junior standing and meet the other requirements. For details contact the Dean of the School of Business.

MAJOR REQUIREMENTS FOR THE B.A. IN ECONOMICS

1. Thirty hours in economics must include 101,303,311,312,329, and 452.
2. Business 203-204 (prerequisites for all 300- and 400-level courses in business, economics, and accounting) are required. Business 408, 414, 425, and 426 may be taken to satisfy major requirements with the approval of the adviser.
3. Supportive requirements are Math 107 or higher and a computer science course.

MINOR REQUIREMENTS

Students who desire to earn a minor concentration in Economics must satisfy the following requirements:

ECN101	Introduction to Economics	3 hours
ECN303	Statistics	3 hours
ECN311	Intermediate Microeconomic Theory	3 hours
ECN312	Intermediate Macroeconomic Theory	3 hours
	Electives in Economics	6 hours
		18 hours

ACT 203-204 are prerequisite for all Economics Courses numbered 300 and above.

101. INTRODUCTION TO ECONOMICS 3
An introductory study of essential concepts for understanding economic activity and economic issues involving public policy at the national level. Prerequisite for all 300- and 400-level courses.

123. ECONOMIC HISTORY OF THE U.S. 3
The development of economic activities in the changing U.S. institutional patterns. On demand.

303. STATISTICS 3
Prerequisite: Math 107. A study of descriptive statistics, probability, probability distributions, sampling techniques, estimation, hypothesis testing, regression and correlation, and time series analysis.

311. INTERMEDIATE MICRO-ECONOMIC THEORY 3
Prerequisite: Math 107. Economic theories of individual and business decision-making and their effects on the production and allocation of economic goods. Fall.

312. INTERMEDIATE MACRO-ECONOMIC THEORY 3
Prerequisite: Economics 311. Neoclassical, Keynesian, and modern theories of the determination of aggregate economic activity and their empirical relevance. Spring.

324. LABOR ECONOMICS **3**
Development of labor movements, collective bargaining, wages and employment, and public policy. On demand.

326. PUBLIC FINANCE **3**
Revenue and expenditure policies of the public sector; the public-private mix in resource allocation and distribution. On demand.

329. MONEY AND BANKING **3**
The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall.

351. EVOLUTION OF ECONOMIC THOUGHT **3**
Introduction to the major schools of thought and theories that have contributed to economic principles. Fall.

395,396. SPECIAL TOPICS IN ECONOMICS **3,3**
A study of specialized topics in economics not normally covered by other courses. On demand.

410. MANAGERIAL ECONOMICS **3**
Application of the theories of profits, market structure, demand, and costs to decision-making by firms. On demand.

411. GOVERNMENT AND BUSINESS **3**
The economics of government regulation in the institutional setting of the U.S. and the private enterprise system. Recommended for political science, history, and sociology majors. On demand.

421. COMPARATIVE ECONOMIC SYSTEMS **3**
The nature and operations of alternative systems for determining resource allocation and utilization. On demand. (Same as Political Science 421.)

440. INTERNATIONAL ECONOMICS **3**
International economic institutions and the theory of international trade. (Same as Political Science 440.) On demand.

452. ECONOMETRICS **3**
Prerequisite: Economics 303. An introduction to the use of statistical techniques and mathematical model-building as predictive tools for both micro-economic and macro-economic applications.

473. SENIOR SEMINAR **3**
Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in economics. Students will present and defend their final projects.

491-496. INDEPENDENT STUDY **1-6**
Independent study of economic problems. By invitation only.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

BUSINESS

(BUS)

There is general agreement today that people in business need education in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in the social sciences equip the businessman or woman with the analytical ability and breadth and flexibility of mind necessary to relate to the complex interrelationships of business and the society as a whole.

The courses in business emphasize, accordingly, a broad base of fundamental knowledge and the development of certain basic skills on which the student can build through experience obtained after college. To this end the business curriculum is built around the quantitative and behavioral sciences. The quantitative area is stressed to facilitate the student's use of quantitative data for decision-making. The behavioral sciences are emphasized to provide the student with a better understanding of the behavioral patterns of formal organization and the problems which arise when people attempt to achieve common goals.

Students may be admitted to the Departmental Honors Program if they have attained junior standing and meet the other requirements. For details, consult the dean of the School of Business.

MAJOR REQUIREMENTS FOR THE B.S. IN BUSINESS

1. Thirty-six hours of business or economics including Accounting 203-204, Business 321,323, 346, and 425, and Economics 101, 303, 311, and 312.
2. Supportive courses required are Mathematics 107 or higher and a computer science course.

BACHELOR OF SCIENCE IN BUSINESS W/A PROGRAM IN PETROLEUM LAND MANAGEMENT

The B.S. in Business W/A Program in Petroleum Land Management is held by the School of Business in conjunction with the Department of Geology. Together they have designed the Petroleum Land Management Program, in which a student can learn how to work as a professional in the energy field. The student has an enhanced value to industry and can move into more challenging positions in the energy field because of the combining of these fields of study. Students will be provided with a firm foundation of business and geology courses as well as liberal arts.

MAJOR REQUIREMENTS FOR THE B.S. W/A PROGRAM IN PETROLEUM LAND MANAGEMENT

1. Required courses in Business are 210, 225, 321, 323-324, 329, 330, 346, and 425.
2. Required courses in Economics are 101, 303, 329.
3. Required courses in Accounting are 203-204 and 350.
4. Required courses in Geology are 101, 111, 102, 112, 151, 203, and 301.
5. Supportive requirements:
    A. Engineering 142 and 224.
    B. English 207.
    C. Math 107 or higher and Computer Science 124
    D. Theatre/Speech 200.

CERTIFICATE PROGRAM IN PETROLEUM LAND MANAGEMENT

The Certificate Program in Petroleum Land Management is structured for those who already have an undergraduate degree in business and want to pursue a shorter undergraduate curriculum than that of a second degree. Such persons will be shown as completing requirements for the Program in Petroleum Land Management. All courses required by Petroleum Land Management must be taken at Centenary College or be individually approved by the dean of the School of Business and where applicable geology courses will be approved by the chairman of the Geology Department. Required courses are all those listed above in items 1 through 5.

MAJOR REQUIREMENTS FOR THE B.S. IN BUSINESS FOR THE BUSINESS/SPANISH COORDINATE PROGRAM

This coordinate program with the Department of Foreign Languages is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree.

1. Required courses in Business are 321,323,346, and 425.
2. Required courses in Economics are 101, 303, 311, 312, and 440.
3. Required courses in Accounting are 203-204.
4. Required courses in Spanish beyond 202 are 206, 305, 308, and a 400-level course.Certain of these courses are flexibly designed to permit the students to familiarize themselves with the specialized vocabulary and literature of their field of interest.

5. Supportive requirements:
   A. Mathematics 107 or higher.
   B. History 341 or political science 304.
   C. A computer science course.

Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel of the Foreign Languages Department.

MINOR REQUIREMENTS IN BUSINESS ADMINISTRATION

Students who desire to earn a minor concentration in Business Administration must satisfy the following requirements:

ECN101	Introduction to Economics	3 hours
ACT 203-204	Principles of Accounting I & II	6 hours
BUS321	Principles of Management	3 hours
BUS346	Principles of Marketing	3 hours
	Elective in Business Administration	3 hours
		18 hours

Prerequisites for all 300-and 400-level courses in business are: Accounting 203-204, Economics 101, and Math 107 or higher.

101. INTRODUCTION TO BUSINESS **3**
Business organization and operation. Survey of the various fields of business, basic business problems and procedures, the opportunities open to college graduates in business, and the vocabulary of business. Not open to junior and senior majors within the School. Yearly.

105. PERSONAL FINANCE **3**
A study in problems confronting the individual or family in purchasing and budgeting for the household. Yearly.

124. COMPUTER-COBOL **3**
An introduction to computer programming in the business-oriented language COBOL. Hands-on experience in writing, running, and debugging programs will be provided. The application and problems will be primarily business-oriented. (Same as CSC 124).

207. BUSINESS AND TECHNICAL WRITING **3**
Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall (Same as English 207).

210. ENERGY LAW **3**
A study of the legal aspects of oil and gas leasing, exploration, and production. Various oil and gas leases and assignments are described in detail. Study of the regulation of energy and altemative energy sources are included. Yearly.

211. LOUISIANA MINERAL CODE **2**
Regulations and rules applying to mineral rights, royalties, assignments, and oil and gas production in the State of Louisiana. Yearly.

219. REAL ESTATE APPRAISAL **3**
Methods of making professional appraisals of real estate will be studied. The general fundamentals of residential, commercial, and industrial properties will be covered also.

225. REAL ESTATE LAW **3**
The law as it affects ownership of real property in general and its application to Louisiana law. Such areas as deeds, leases, land contracts, escrows, and zoning will be covered.

321. PRINCIPLES OF MANAGEMENT **3**
A study of organizational theory, policies, and procedures common to all institutions charged with the responsibility of achieving a common goal. Fall.

322. PERSONNEL MANAGEMENT **3**
Prerequisite: Business 321 or consent of instructor. A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of favorable industrial relations. On demand.

323. BUSINESS LAW **3**
A study of the legal aspects of business transactions. Introduction to personal property contracts as well as agency, partnership, negotiable instruments, sales and conditional sales contracts, and the law of commercial paper. Fall.

324. BUSINESS LAW 3
Prerequisite: Business 323. A continuation of 323 for those intending to take the CPA examination. Spring.

328. HUMAN RELATIONS 3
A study of individual, small group, and organizational behavior in the business setting. The problems of motivation and communication are studied in goal-oriented activity. On demand.

329. OIL AND GAS LEASING 3
An introduction to the various kinds of oil and gas lease forms, their interpretation and application and the kinds of data available in courthouses on ownership of leases and royalties.

330. OIL AND GAS CONTRACTS 3
Prerequisite: Business 210, 211, or 323. An in-depth study of the language of oil and gas leases, assignments of leases, the farm-in and farm-out of leases, and other common oil and gas conveyances and transactions. Yearly.

346. PRINCIPLES OF MARKETING 3
A study of distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions, and costs. Spring.

354. ADVANCED JOURNALISM: ADVERTISING AND PUBLIC RELATIONS 3
Prerequisite: English 251 or permission of chairman of the department. Analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. Spring 1987 and alternate years. (Same as English 354.)

395,396. SELECTED TOPICS 3,3
Prerequisite:Consent of instructor. A detailed study of an area of business not normally covered in regular business courses. On demand.

400A. INTERNSHIP IN BUSINESS ADMINISTRATION 3
Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public and private agencies. May be repeated once for credit. Consent of the instructor necessary before registering.

400J. INTERNSHIP IN JOURNALISM 3
Prerequisite. Grade of C or better in the advanced journalism course in the area of the internship. Supervised internship with an approved employer in any of the professional areas covered by the Journalism Program, such as marketing, advertising, public relations, and news or feature writing. Students will be required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area.

403. CONSUMER ANALYSIS AND BEHAVIOR 3
Prerequisite: Business 346. A study of the motivation of consumer behavior as explained by a multi-discipline approach drawing from the behavioral and social sciences.

406. MARKETING POLICIES AND PROBLEMS 3
Prerequisite: Business 346. An advanced course in marketing problems with emphasis upon markets, distribution channels, product analyses, and pricing policies.

408. QUANTITATIVE DECISION-MAKING 3
Prerequisite: Economics 303. A study of the development and use of quantitative analytical techniques in decision-making. On demand.

414. RESEARCH TECHNIQUES AND FORECASTING 3
Prerequisite: Economics 303. The formulation of the problem, data sources and data problems, formulation of the hypotheses, and basic research designs and techniques. On demand.

415. MANAGERIAL COMPUTER USAGE 3
Course offers guidelines for management on whether to install a computer, the relative advantages and disadvantages of the system available, renting vs. buying, and the legal implications of computer usage. Systems analysis also covered.

416. PRINCIPLES AND PRACTICES OF REAL ESTATE 3
Designed to provide a clear, detailed understanding of all aspects of real estate, property ownership, and the factors involved in the transactions in ownership transfer of property. Current developments will be discussed, such as condominium ownership, real estate marketing, mobile homes, and the full understanding of closing sales.

420. SOCIAL RESPONSIBILITY OF BUSINESS 3
A study of the social role and responsibility of business considering both the internal and external environments of the firm. Evaluation of the social responsibility of the firm to the consumer, the employee, and the management. Coverage of the values evidenced by the management of modern business. Junior standing.

425. BUSINESS FINANCE 3
A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization. Financial management analysis. Fall.

426. INVESTMENTS **3**
A study of the principles and problems determining sound investment policy. Spring.

473. SENIOR SEMINAR **3**
Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in business. Students will present and defend their final project

483. SEMINARS **3**
Prerequisites: Junior or Senior standing and permission of instructor. Study of a specific topic in the area of business with student participation and research.

491-496. INDEPENDENT STUDY **1-6**
A reading and research course open to seniors by invitation.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module

ACCOUNTING

(ACT)

The accounting curriculum, leading to the degree of Bachelor of Science, provides a thorough education in the field of accounting. This specialized knowledge of accounting together with a broad liberal arts and business background is designed to prepare students: (1) for careers in accounting management; (2) for further academic work; (3) for careers in public accounting; and (4) for appropriate trainee positions in government.

MAJOR REQUIREMENTS FOR THE B.S. IN ACCOUNTING

1. Required Accounting courses are 203-204, 305-306, 309, 407, 409, 411, and six (6) hours elected from 412, 418, 421 or 424.
2. Senior Seminar in Accounting.
3. Supportive requirements in Business are 321, 323, 324, 346, and 425.
4. Supportive requirements in Economics are 101, 303, 311, 312, and 329.
5. Other supportive requirements include Math 107 or higher and a computer science course.

MINOR REQUIREMENTS

Students who desire to earn a minor concentration in accounting must satisfy the following requirements:

ACT203-204	Principles of Accounting I & II	6 hours
ACT309	Cost Accounting	3 hours
ACT411	Income Tax Accounting I	3 hours
	Electives in Accounting	6 hours
		18 hours.

203. PRINCIPLES OF ACCOUNTING I **3**
Prerequisite: Sophomore standing or consent of instructor. An introductory course intended to familiarize the student with the fundamental principles and methods of preparing and analyzing financial statements. Every semester.

204. PRINCIPLES OF ACCOUNTING II **3**
Prerequisite: Accounting 203. An introduction to management's uses of accounting data for planning and control. Topics covered include content and interpretation of the income statement and balance sheet, uses of cost accounting, budgetary planning and control, and internal reports for management. Every semester.

305-306. INTERMEDIATE ACCOUNTING I and II **3-3**
Prerequisite: Accounting 204 or consent of instructor. An intensive study of basic accounting theory and procedures, with emphasis on balance sheet accounts and their interrelationships with income statement accounts. Yearly.

309. COST ACCOUNTING **3**
The objectives and procedures of cost accounting for manufacturing firms. Topics covered include: job order and process cost systems, cost-volume-profit relationships, standard costs and variance analysis, direct costing, relevant costs, and capital budgeting. Fall.

315. MANAGERIAL ACCOUNTING **3**
The use of data contained in accounting records by management in making decisions concerning pricing, expansion, production, and forecasting. Primarily for non-accountants, but helpful for accounting majors. On demand.

350. OIL AND GAS ACCOUNTING **3**
Accounting for the production, refining, and distribution of oil and gas with emphasis on production.

395,396. SELECTED TOPICS **3,3**
Prerequisite: Consent of instructor. A detailed study of an area of accounting not normally covered in regular accounting courses.

407. ADVANCED ACCOUNTING **3**
An intensive study of the application of fundamental accounting theory to a number of important fields and activities in business, with extensive use of CPA problems. Topics covered include partnerships, special sales procedures, corporate combinations, and introduction to consolidated financial statements, and actuarial science. Spring.

409. AUDITING **3**
A study of auditing theory and procedures, special investigations, and the principle kinds of audits, working papers, and reports. Fall.

411. INCOME TAX ACCOUNTING I **3**
The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to the individual. Emphasis on determination of income and statutory deductions in arriving at the net taxable income. Fall.

412. INCOME TAX ACCOUNTING II **3**
The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to partnerships, corporations, estates, and trusts. Spring.

418. FINANCIAL ACCOUNTING THEORY **3**
A study of concepts and procedures of financial accounting as stated in pronouncements and releases of the American Institute of Certified Public Accountants, the American Accounting Association, and the Financial Accounting Standards Board.

421. FUND ACCOUNTING **3**
Principles and applications appropriate to governmental and other non-profit accounting cases.

424. ACCOUNTING INFORMATION SYSTEMS **3**
A study of the adaptation of information systems and sub-systems to the collection and utilization of accounting data.

473. SENIOR SEMINAR **3**
Senior standing and permission of instructor. Study of a topic which integrates the student's coursework in accounting. Students will present and defend their final projects.

491-496 INDEPENDENT STUDY **1-6**
Prerequisite: ACT 203-204, 305-306. Each candidate must submit written proposal for departmental approval in advance of the student's registration for the course.

I-99 INTERIM STUDIES **3**
Special topics offered in the January interim.

M-99: **3**
Special topics offered during the May Module.

CHEMISTRY

(CHM)

Professor Seidler, *Chairman*
Professor: S. A. Taylor
Assistant Professor: Blakeney
Instructor: Johnson

The Chemistry Department offers a program of sufficient flexibility to serve three types of students: (1) those who wish to prepare for a career in chemistry and serve in industry and those who wish to prepare for advanced studies in chemistry; (2) those who expect to use chemistry in other occupations or professions; (3) those who desire chemistry for a broader background in science and an introduction to the scientific method of thought.

The Centenary College Chemistry Department is one of a number approved by the American Chemical Society for the training of chemists.

Students who are interested in chemistry as a career and those who intend to pursue advanced studies should elect the program leading to the Bachelor of Science degree and in addition, take those courses which meet the standards recommended by the American Chemical Society for the professional training of chemists. Those who do not plan to pursue advanced studies but who are interested in a field where a sound knowledge of chemistry is required may elect the program leading to the Bachelor of Science degree.

As an alternative to the B.S. degree, the Chemistry Department offers a program leading to the Bachelor of Arts degree with a major in chemistry. Students who desire a pre-professional background which prepares them for further studies in such areas as medicine, dentistry, veterinary medicine, law, business, or secondary education may elect the program leading to the Bachelor of Arts degree. There is sufficient flexibility in the B.A. program so that a student who is interested in combining a business career with a chemistry background may do so with the proper choice of electives in the business and economics area.

High school students should note that their likelihood of success in any of these programs is greatly enhanced if their high school studies include chemistry, physics, two years of algebra and trigonometry, and one year of advanced mathematics.

Students who enroll in one of the programs, are cautioned that certain chemistry (and other) courses must be taken in an appropriate sequence. Failure to observe the sequence may result in course scheduling difficulties and lead to a delay in graduation.

High school students who have had the equivalent of college-level courses in chemistry or who have made acceptable scores on Advance Placement or CLEP tests should consult with the department chairman about modification of their plan of study.

DEPARTMENTAL HONORS IN CHEMISTRY

In order for students to be considered for admission to the Departmental Honors Program in chemistry, they must meet the general college requirements for admission to such programs. Interested students should consult the chairman of the department.

MAJOR REQUIREMENTS

BACHELOR OF SCIENCE (AMERICAN CHEMICAL SOCIETY-ACCREDITED)

1. Chemistry courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352; Instrumental Analysis 392; Inorganic Chemistry 401; Advanced Synthesis Laboratory 412; Chemical Literature and Information Retrieval 451; Senior Seminar 471; and two advanced courses (at least six semester hours) selected from chemistry, physics, or mathematics.
2. Supportive courses as follows: Physics 104, 105, 114, 115; Mathematics through 202, and Computer Science 123. A reading knowledge of German is recommended for those intending to pursue graduate studies.

BACHELOR OF SCIENCE

1. Chemistry courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311, Physical Chemistry 351, 352; Chemistry Literature and Information Retrieval 451; Senior Seminar 471; two additional chemistry courses (at least six semester hours) numbered 300 or above.
2. Supportive courses: Physics 104, 114, 105, 115; Mathematics through 202, and Computer Science 123; One year of foreign language is recommended.

BACHELOR OF ARTS

1. Chemistry courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352 or Chemistry 321, 322, 324; Senior Seminar 471; Chemical Literature and Information Retrieval, 451.
2. Supportive Courses: Physics 104, 114, 105, 115; Mathematics through 201; Computer Science 101 or 123; one year of a single foreign language.

MINOR REQUIREMENTS

Chemistry 101, 111, 102, 112, 201, 211, 202, 212, 301, 311, and one or more hours at the 300 + level.

101-102. GENERAL CHEMISTRY **3-3**

First semester: A study of the principles of stoichiometry, chemical thermodynamics, the physical properties and behavior of gases, and an introduction to atomic and molecular structure.
Second semester: A study of the chemistry of the elements, and of the quantitative aspects of chemical equilibrium. Yearly. Labs must be taken with the course unless the lab course has been previously passed.

111-112. GENERAL CHEMISTRY LABORATORY **1-1**

Prerequisite: Concurrent registration in or credit for the corresponding lecture course, 101, or 102. Laboratory work designed to accompany Chemistry 101-102. Work includes a study of the techniques and applications employed in chemical investigations. Laboratory exercises in the second semester include selected gravimetric and volumetric analyses, and a study of selected inorganic qualitative analyses. Yearly. (Three laboratory hours a week.)

105. CHEMISTRY AND SOCIETY **3**

(Open only to non-science majors.) A course designed for students with little or no science background which examines the role of science, chemistry in particular, in society. Topics include energy sources, consumer chemistry, nutrition, and drugs.

115. CHEMISTRY AND SOCIETY LABORATORY **1**

The laboratory work involves individual or group projects, experiments, demonstrations, or seminars. All work is designed to accompany the lecture.

201-202. ORGANIC CHEMISTRY **3-3**

Prerequisites: Chemistry 102, 112. A study of the chemistry of organic compounds. These studies are

based on molecular structure, the properties due to functional groups, and the mechanisms by which reactions occur. Yearly.

211-212. ORGANIC CHEMISTRY LABORATORY **1-1**
Prerequisite. Concurrent registration in or credit for the corresponding lecture course 201 or 202. The laboratory work consists of preparing and purifying organic compounds using techniques studied in lecture course. Use of modern instrumentation is included in second semester.

301. ANALYTICAL CHEMISTRY **3**
Prerequisites: Chemistry 102, 112, and Mathematics 201. A study of the theory of analytical separations and the principles and methods of quantitative chemical analysis, with emphasis on the application of equilibrium theory to analytical problems. Yearly.

311. ANALYTICAL CHEMISTRY LABORATORY **2**
Prerequisite: Concurrent registration in or credit for Chemistry 301. Laboratory work dealing with the various separations and purification techniques and with gravimetric, volumetric, potentiometric, and colorimetric methods of analysis. Yearly (Six laboratory hours a week.)

321. BIOCHEMISTRY I (Same as Biology 321) 3
Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes.

322W. BIOCHEMISTRY II (Same as Biology 322) **3**
Prerequisite: Chemistry 321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Yearly.

324. BIOCHEMISTRY II LABORATORY **1**
Prerequisites: Chemistry 301, 311, and credit for concurrent registration in Chemistry 322. Laboratory study designed to demonstrate biochemical techniques and methodology. (Three laboratory hours a week).

351-352W. PHYSICAL CHEMISTRY **4-4**
Prerequisites: Concurrent registration in or credit for Computer Science 123, Chemistry 301, 311, Mathematics 202, Physics 105. Principles of theoretical chemistry with emphasis on thermodynamics, chemical kinetics, electrochemical systems, and atomic and molecular structure. Laboratory work includes physiochemical measurements and laboratory experiments which confirm and amplify the principles of theoretical chemistry. Yearly. (Three laboratory hours a week).

392. INSTRUMENTAL ANALYSIS **4**
Prerequisite: Concurrent registration in or credit for Chemistry 352. A study of the theory and application of instrumental methods for separation and analysis. Emphasis is on spectrometric, electrochemical, and chromatographic methods. Yearly. (Two hours lecture, six laboratory hours each week.)

395,396. SELECTED TOPICS **3,3**
Prerequisites: Junior standing and consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. A detailed study of an area of chemistry not normally covered in the regular chemistry course. Topics may include organic reaction mechanisms, hetrocyclic chemistry, nuclear chemistry, environmental chemistry. May be repeated once for credit when a different topic is offered. Offered on demand.

398. COLLOQUIUM, OAK RIDGE SEMESTER **1**
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Biology 398/Math 398/Physics 398.)

399. RESEARCH, OAK RIDGE SEMESTER **1-6**
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Math 399/Physics 399.)

400W,S. CHEMISTRY INTERNSHIP **3**
Prerequisites: Junior standing and recommendation of the Chemistry Department faculty. Work in an industrial or research laboratory for a minimum of 120 hours. A written and oral report on the work conducted is required. Offered on demand. May be offered as a W or S course.

401. ADVANCED INORGANIC CHEMISTRY **3**
Prerequisite: Chemistry 352. A systematic study of the chemistry of the elements and their compounds based upon physical-chemical concepts. Yearly.

412. ADVANCED SYNTHESIS LABORATORY **3**
Prerequisite: Permission of instructor. Synthesis, purification, and characterization of selected inorganic, organic, and organometallic compounds using different types of synthetic techniques and instrumental methods of analysis. (1-6)

451S. CHEMICAL LITERATURE AND INFORMATION RETRIEVAL **1**
Library exercises will include understanding the use of **Chemical Abstracts, Science Citation Index**, on-line interactive computer files, and other sources. Students will make several oral presentations to the class.

471. SENIOR SEMINAR **1**
A review of the major areas of chemistry. A comprehensive exam will be required.

491-496 INDEPENDENT STUDY **1-6**
Prerequisites: Junior standing and consent of the instructor based on adequate preparation in chemistry, physics, and mathematics. Research on an assigned problem. A written report and an oral presentation of the work are required. Offered on demand.

1-99. INTERIM STUDIES **3**
Prerequisite: Consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

The Magale Library and Mickle Hall of Science form the background for these students.

EDUCATION

(EDU)

Professor Hallquist, *Chairman*
Professor: Gwin
Visiting Professor: Hardaway

EDUCATION OBJECTIVES AND PURPOSES

The Department of Education seeks to help students develop a strong, professional foundation for teaching in the elementary or secondary schools. This is accomplished by providing opportunities for developing (1) an understanding of oneself and others, (2) skills in effective communication, (3) knowledge of the role of education in American life, and (4) competencies required for being an effective teacher. A small teacher-pupil ratio allows each professor to recognize each student as a unique individual with specific needs and to structure courses in such a way as to encourage individuality and creativity. To enhance the learning process, the Department of Education functions cooperatively with all other components of the College.

All students enroll in the tutorial and clinical programs. Within this program, the student works with a professor in an academic setting that involves seminars, lectures, and independent studies. Practice is gained by the students in concurrent clinical experiences in a variety of local schools and agencies. The students are involved in a carefully planned sequence of observing, assisting, and substituting for master teachers. These master teachers are employed by the local school systems. Students are supervised by the master teacher as well as the tutorial professor at Centenary College.

The teacher-education program meets the requirements for teacher certification in Louisiana. Candidates for teaching certificates in the state must fulfill the requirements for elementary or high school certification. Student teaching is done in schools in this geographical area. The Department provides a Teacher Placement Bureau for all who are registered in the program. The Department of Education programs are fully accredited by the Southern Association for Colleges and Schools as well as the State of Louisiana Department of Education.

GRADE REQUIREMENTS

a. A minimum of "C" in each section of freshman English (English 101 and 102) is required for those persons pursuing teacher certification.
b. A person who has a degree from another institution and enrolls in Centenary College for certification only must have a "C" average in English 101 and 102.
c. Each student must achieve and maintain a 2.2 overall GPA as a prerequisite to enrolling in sophomore education courses.
d. To be eligible to take upper division professional education courses, each student must pass the General Knowledge Examination of the NTE at 644 level and the Communication Skills Examination at the 645 level.
e. Each student must achieve and maintain a 2.35 overall GPA as a prerequisite to enrolling in junior education courses.
f. Each student must achieve and maintain a 2.5 overall GPA as a prerequisite to enrolling in senior education courses.
g. Each student must achieve at graduation from an approved teacher education program a 2.50 average in all work taken in College.
h. All students transferring to Centenary College must immediately meet the specified requirements appropriate to the entry level.
i. Only students in good academic standing may participate in the professional education courses. Please refer to Academic Progress, p. 48.

DEGREE PLAN

Each student majoring in elementary education or certifying in secondary education must, in consultation with his or her adviser, complete a degree plan. This plan, endorsed by student and adviser, is filed with the registrar before the end of the third semester. Students certifying at the secondary level must have the signature of the secondary education representative on the degree plan, or it will not be accepted by the registrar.

No student will be considered for formal acceptance into the Education Department by the Teacher Advisory Council prior to the degree plan's being filed.

No student may enroll in a junior-level education course until and unless a degree plan has been filed and approved and official acceptance into the teacher-education program has been granted.

STUDENT TEACHING

Elementary certification — All courses, with the exception of Education 412, should be completed before student teaching.

Secondary certification — All courses, with the exception of Education 414, should be completed before student teaching. An exception is a course in the major which is offered only the semester in which one student teaches.

NATIONAL TEACHERS EXAMINATION (NTE)

In order to become certified, a person must take the National Teachers Examination. Minimum test scores include the total of the score on the general portion of the test (Core) and the score on the specialized subject (Area). Minimum scores for certification are posted in the Education Department.

ADMINISTRATIVE REQUIREMENTS

All students planning to certify as teachers must, by the end of the sophomore year, petition the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of oral and written communication, GPA, English, health, and appearance as determined by the TEAC. Any person who does not meet all requirements has the option of appealing to the Teacher Education Advisory Council through the chairman of the Education Department.

An "area of concentration" in an academic subject is encouraged for elementary education majors. Each person certifying to teach at the secondary level is encouraged to attain certification in at least two subjects.

No course listed below may be taken pass-fail, and no final grade below a "C" will be accepted in any professional or specialized academic education course which is required for certification, regardless of overall grade average, including English 101 and 102.

Professional education courses include the following:

Education 211-212
Education 331-332, 431
Education 341, 441
Education 451, 452, 453
Education 310, 411-412 (elementary)
Education 314-414 (secondary)
Music 337, 338, 339
Physical Education 345 (Required of P.E. majors in lieu of Education 341.)
Psychology 211,221 (Elementary)

Specialized academic education courses at the elementary level include the following:

Art 207
Education 205
English 101 and 102
History 207
Music 329
Mathematics 103
P.E. 239 and 357
Speech 101 or 200

Specialized academic education courses at the secondary level include all courses in any subject area in which one certifies.

GENERAL EDUCATION REQUIREMENTS

The general education requirements for teacher certification at the elementary and secondary levels are as follows: twelve semester hours in English, which must include three hours in grammar and three hours in composition; twelve semester hours of laboratory science (of which at least three hours must be in biological science and at least three hours in physical science); six hours in mathematics (this includes Math 115 for El.Ed majors); twelve hours of social studies, which must include three hours in U.S. history; and four hours of physical education. Elementary majors also must have three hours in geography.

MAJOR REQUIREMENTS

B.S. IN ELEMENTARY EDUCATION

A major in education is available only to students intending to teach in the elementary school. Students proposing to teach on the secondary level must complete the major requirements of another discipline and the requirements for certification. Exceptions are the B.A. in Social Studies Education and Science Education.

ELEMENTARY: In addition to courses meeting the College's distributive requirements and the General Education requirements, for the B.S. in Elementary Education, the student must complete Education 205, 211-212, 331-332, 310-411-412, 431; Psychology 211 and 221; Art 207, Speech 101 or 200; History 207; Physical Education 239; 357, and Music 329. The senior seminar requirement will be satisfied by EDU 431.

EARLY CHILDHOOD: Early childhood certification can be met if the elementary education major takes Education 451, 452 and 453.

TEACHER OF EXCEPTIONAL CHILDREN: The fifteen semester hours of basic requirements offered by Centenary College are Psychology 211, 221, 312, and Art 207 and 210. Refer to **Louisiana Standards for State Certification of School Personnel, Bulletin 746** (as revised) for additional requirements. Centenary College does not provide the courses necessary for certification in the area of exceptional children.

SECONDARY: Secondary teacher candidates must, in addition to completion of the College's distributive requirements, the General Education requirements, and those of department major, complete Education 211-212, 341, 441, 314-414, and Psychology 211. The senior seminar requirement will be satisfied by EDU 441. Music and Physical Education majors will take departmental methods courses in lieu of Education 341.

B.A. IN SOCIAL STUDIES EDUCATION

This degree is for those students who wish to certify in social studies but do not desire a major in either history or political science.

History 101, 102, 205, 206, 207, nine hours at 300 level 24
Political Science 102, 207 or 210 or I-99 6
Geography 6
Economics 6
Sociology 3
Education 211-212, 341, 314-414, 441 24
Psychology 211 3
English 101-102, 201, 300 level 12
Science: Biology 101 and lab,
physical science and lab,
elective and lab 12
Mathematics 105 and elective 6
Foreign Language: one year 6-8
Philosophy or Religion 3
Art Appreciation or Music Appreciation 3
Physical Education 4
General Education 101-102 2
Interim: Sociology or Economics or Math
or Political Science, 6 hours 0
Electives 7-5

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B.A. IN SCIENCE EDUCATION

This degree is for those students who wish to certify in two sciences or one science and mathematics.

Required Courses

BIOLOGY

Biology 103, 104 or (101-111, 102-112) 201, 307, 313 20
Biology 4 hours from 207, 301, 302, 304, 310, 311 4

CHEMISTRY

Chemistry 101-111, 102-112, 201,211, 202, 212, 301, 311 20
Chemistry 4 hours from 321 or 351 (prerequisite of Physics 104-105 and Math 201)
or other approved course 4

GEOLOGY

Geology 101-111, 102-112, 151, 206, 305, 352 22

MATHEMATICS

Mathematics 108, 201, 202, 203, 303, 304, and
one course numbered 305 or higher 21

All above students will complete the general education and distributive requirements and the following courses:

Education 211-212, 341, 314-414, 441 24
Psychology 211 3

SUBJECT FIELDS (SECONDARY EDUCATION)

The minimum requirements for the various subject fields, in addition to general education and professional education, are as follows:

ART: (Grades 1-12) The minimum requirements for certification in art will require a total of 36 semester hours.

1. Introduction to design (visual elements, principles of organization and the nature and dynamics of artistic content . . . . . 6 semester hours
2. Art Education (child growth and development in art K-12, content and structure of the art program) . . . . . 6 semester hours
3. Applied Art (drawing, painting, sculpture, printmaking, crafts) . . . . . 18 semester hours
4. Art History and/or Appreciation . . . . . 6 semester hours

ENGLISH: A minimum of 27 semester hours in English (which includes 12 semester hours in the general education requirements). The program in English shall include 6 semester hours in grammar and composition above the freshman level.

FOREIGN LANGUAGE: Required to complete 36 semester hours or 24 hours above the sophomore level which shall include a three-hour methods course in modern foreign languages (FLG 330, Methods of Teaching Foreign Languages). A minimum of 12 of the 24 hours may be fulfilled by a two-semester residence in a university abroad or by two summers of intensive immersion study on a Louisiana campus, an out-of-state university campus, or abroad.*

*The two-semester abroad or alternative is required for French certification and is optional for all other foreign languages.

MATHEMATICS: Twenty semester hours to include at least one semester of calculus and one semester of college geometry. Only 9 semester hours earned below the level of calculus may be counted toward meeting the requirement.

Certification may be earned in both mathematics and physics if a total of 40 semester hours is earned in the two fields with not less than 16 in either. In any case at least one semester of calculus shall be required.

MUSIC EDUCATION (Grades 1-12)

A. Vocal Music: 62 semester hours as follows:
   1. Preparation in musicianship (theory, music history and appreciation, and conducting) . . . . . 32 semester hours

   2. Musical performance (must include credit in voice and piano with a concentration in voice - concentration defined as 6 semesters of major-level applied study) . . . . . 30 semester hours
B. Instrumental music (including band and orchestra): 62 semester hours as follows:
   1. Preparation in musicianship (theory, music history and appreciation, and conducting) . . . . . 32 semester hours

   2. Musical performance (must include credit in piano, woodwind, brass, strings, and percussion instruments with a concentration in one instrument -concentration defined as 6 semesters of major-level applied study) . . . . . 30 semester hours.
C. Vocal and instrumental music: 82 semester hours as follows:
   1. Preparation in musicianship (theory, music history and appreciation, and conducting) . . . . . 32 semester hours

   2. Musical performance (must include credit in piano, voice, woodwind, brass, string, and percussion instruments with a double concentration - one in voice and one in an instrument - concentration defined as 6 semesters of major-level applied study) . . . . . 50 semester hours

NOTE: Preparation for teaching vocal and instrumental music shall be recognized as a 5-year program of studies.

PHYSICAL EDUCATION (Grades 1-12)

The minimum requirements for certification in physical education will require a total of 24 semester hours.

1. Foundations (organization and administration, history and principles, and/or curriculum construction) . . . . . 6 semester hours
2. Basic science (human anatomy, physiology, kinesiology) . . . . . 6 semester hours
3. Skills and techniques (including not more than 4 semester hours in coaching) . . . . . 8 semester hours
4. First aid (or care of athletic injuries) . . . . . 1 semester hour
5. Evaluation, Introducing Physical Education for all Handicapped Children, and/or other areas . . . . . 3 semester hours

HEALTH

The minimum requirements for certification in health education will require a total of 22 semester hours.

1. School Health Program (Principles, Organization, and Administration) . . . . . 3 semester hours
2. Health Science (selected from: basic nutrition, prevention and control of communicable and degenerative diseases, consumer health, environmental health safety education, family life, chemical substance abuse, critical health problems, mental and emotional health, human anatomy and physiology) . . . . . 12 semester hours
3. Personal and Community Health . . . . . 3 semester hours
4. Methods and Materials in Health Education . . . . . 3 semester hours
5. First Aid . . . . . 1 semester hour

HEALTH AND PHYSICAL EDUCATION

Combined certification of health and physical education will require a total of 41 semester hours in which the basic sciences (excluding kinesiology) and first aid should not be repeated.

SCIENCE AREAS

The minimum requirements for certification in each science area are listed below. Laboratories normally associated with each science shall be taken. In addition, credit or proficiency in college algebra and trigonometry is the minimum math requirement.

1. GENERAL SCIENCE

   Thirty two semester hours, to include 8 semester hours in biology, 8 semester hours in chemistry, 8 semester hours in earth science, and 8 semester hours in physics.

   Certification may be earned in both General Science and any of the four subject areas if an additional 8 semester hours of credit is earned in each expanded area. For biology, course work must include botany, zoology, and microbiology; for chemistry, course work must include general, organic, and quantitative analysis or physical chemisty; for earth science, course work must include physical and historical geology; and, for physics, at least one semester of calculus is required in addition to the total of 16 hours of physics.

2. BIOLOGY

Twenty semester hours, to include courses in botany, zoology, and microbiology. At least one year of college-level chemistry is required, and it is desirable that the course of study include some organic chemistry.

Certification may be earned in biology and chemistry or biology and earth science if a total of 40 semester hours is earned in the two fields with not less than 16 in either. When the lesser number of hours is in chemistry, courses in general, organic, and quantitative analysis or physical chemistry shall be included. When the lesser number of hours is in earth sciences, courses in physical and historical geology shall be required.

3. CHEMISTRY

Twenty semester hours, to include a minimum of one year of general chemistry, one course in organic chemistry and one course in either quantitative analysis or physical chemistry.

Certification may be earned in chemistry and biology, chemistry and physics or chemistry and earth science if a total of 40 semester hours is earned in the two fields with not less than 16 in either. If the lesser number of hours is in biology, courses in botany, zoology, and microbiology shall be included. If the lesser number of hours is in physics, at least one semester of calculus also shall be required. When the lesser number of hours is in earth science, courses in physical and historical geology shall be required.

4. EARTH SCIENCE

Twenty semester hours, to include courses in physical geology and historical geology.

Certification may be earned in earth science and chemistry or earth science and biology or earth science and physics if a total of 40 semester hours is earned in the two fields with not less than 16 in either. When the lesser number of hours is in chemistry, courses in general, organic, and quantitative analysis or physical chemistry shall be included. If the lesser number of hours is in biology, courses in botany, zoology, and microbiology shall be included. If the lesser number of hours is in physics, at least one semester of calculus also shall be required.

5. PHYSICS

Twenty semester hours. Certification may be earned in both physics and mathematics if a total of 40 semester hours is earned in the two fields with not less than 16 in either. In either case, at least one semester of calculus also shall be included.

SOCIAL STUDIES: A minimum of 33 semester hours including the general education requirements to be distributed as follows:

1. History
   - United States History . . . . . 6 semester hours
   - Louisiana History . . . . . 3 semester hours
   - Western Civilization or World History . . . . . 3 semester hours
2. United States Government . . . . . 6 semester hours
3. Geography . . . . . 6 semester hours
4. Economics . . . . . 6 semester hours
5. Sociology . . . . . 3 semester hours

SPEECH: A minimum of thirty semester hours to include the following:

1. Fundamental of public speaking . . . . . 3 semester hours
2. Debate . . . . . 3 semester hours
3. Oral interpretation . . . . . 3 semester hours
4. Broadcasting . . . . . 3 semester hours
5. Theatre
   Directing . . . . . 3 semester hours
   Production . . . . . 3 semester hours

205. CHILDREN'S LITERATURE **3**
A survey of children's literature through the ages, with special attention to developing a love of reading and a knowledge of genres and motifs and to related literary matters like vocabulary-building, knowledge of other cultures, and where appropriate, history and biography. Fall

211-212. SOPHOMORE TUTORIALS IN EDUCATION **3-3**
An investigation of the history and the social and philosophical foundations of education. The role and relevance of psychology in the leaming process. Participation in a series of observations in community-agency leaming situations. Student teaching experiences in a variety of school settings. A schedule of readings and seminars. Yearly.

310. SURVEY OF READING IN THE ELEMENTARY SCHOOL **3**
An overview of the total skills programs: approaches to reading instruction; a survey of reading programs for the average, gifted, and disabled reader. Presents comprehensive knowledge of the literature on the teaching of reading. May be taken by sophomores. Spring.

314. SURVEY OF READING IN THE SECONDARY SCHOOL **3**
An overview of the total skills programs: approaches to reading instruction; a survey of reading programs for the average, gifted, and disabled reader. Presents comprehensive knowledge of the literature on the teaching of reading. May be taken by sophomores. Fall.

331-332S. JUNIOR TUTORIALS IN ELEMENTARY EDUCATION **3-3**
Prerequisites: Education 211-212, Psychology 211 and acceptance by TEAC. A study of materials, methods, and problems of teaching and learning in the elementary school. Planned participation in elementary school classrooms as a teacher's aide. An individualized schedule of readings and seminars. Yearly.

341S. JUNIOR TUTORIALS IN SECONDARY EDUCATION **3**
Prerequisites: Education 211-212, Psychology 211 and acceptance by TEAC. A study of materials, methods, and problems of teaching and leaming in the secondary school. Participation in secondary school classroom in planned teaching settings to include observation and teaching. An individualized schedule of readings and seminars. Fall.

395,396. SELECTED TOPICS **3,3**
A detailed study of an area in education not normally covered in regular education courses. On demand.

411. TEACHING OF READING IN THE ELEMENTARY SCHOOL **3**
Prerequisite: Education 310. A survey of methods, materials, and theories with emphasis on mastering reading skills. Observation and work with children are required along with two hours of classwork. Students will design materials to stimulate interest in reading for enjoyment and information. Fall.

412. TEACHING OF READING PRACTICUM (ELEMENTARY) **3**
Prerequisites: Eduction 310 and 411. Major emphasis is placed on teaching the reading skills to individuals and small groups of children. Teacher accountability will be stressed in work with diagnosing reading needs and applying prescriptive teaching techniques as corrective measures. Current literature will be surveyed. Spring.

414. TEACHING OF READING IN THE SECONDARY SCHOOL **3**
Prerequisite: Education 314. A course that emphasizes the application of appropriate principles, methods, materials, and guidelines for teaching reading at the secondary level. Observation and work with pupils at the secondary level are required along with two hours of classwork. Special emphasis placed on specific strategies for teaching reading in the content areas. Spring.

431. SENIOR TUTORIALS IN ELEMENTARY EDUCATION **9**
Prerequisites: 331-332. Intensive practice teaching in an all-day setting, for one semester, under the supervision of a master teacher and college faculty.

441. SENIOR TUTORIALS IN SECONDARY EDUCATION **9**
Prerequisite: 341. Intensive practice teaching in an all-day setting for one semester, under the supervision of a master teacher and college faculty.

451. FOUNDATIONS OF NURSERY SCHOOL AND KINDERGARTEN EDUCATION **3**
The development of pre-school education; growth and development characteristics of very young children; providing an environment for learning, and organizing and administering programs and services.

452. METHODS AND CURRICULA OF EARLY CHILDHOOD EDUCATION **3**
The objectives of nursery school and kindergarten education; curricula and methods in language development, communication skills, science, social living, numbers, music, art, dramatic play, and other readiness experiences.

453. PRACTICUM IN KINDERGARTEN EDUCATION **3**
Supervised observation and teaching internship experiences in programs for kindergarten school children.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

ENGLISH

(ENL)

Professor Morgan, *Chairman*
Professor: Labor
Associate Professor: Hall (on leave 1986-87)
Assistant Professors: Hendricks, Jackson
Instructors: Rogers, Wiegenstein
Lecturers: Cole, E. Crawford, Crockett, McClanahan, Trudeau, West

The Department of English offers a traditional curriculum with an emphasis on writing and on English and American literature as well as ample opportunities to study the related areas of the English language, communications, and film. The minimum core requirements of the College are supplemented by specific supportive requirements in art, music, and foreign languages to give majors a strong foundation in the humanities and to prepare them for admission to the best graduate and professional schools in the humanities, business, and law.

MAJOR REQUIREMENTS

In addition to the College requirements for a degree, students must complete the following:

1. English 205, 206; 307, 308; 400
2. Fifteen hours of English courses of which nine must be selected from: 301, 302, 303, 304, 305, 306, 315, 401, 405, 420. At least one of these courses must be taken in periods before 1798.
3. English 473.

SUPPORTIVE REQUIREMENTS

1. Art 101 or 102 and Music 143 or 144.
2. Credit through the third year of a foreign language or through the intermediate level of two foreign languages.

All majors, particularly those interested in academic careers, are strongly urged to take English 309. Majors expecting to be certified to teach at the secondary school level must take English 309 and 310.

Majors interested in careers in business are strongly urged to take at least one semester each of calculus, economics, and accounting.

Transfer students majoring in English must take at least four upper-division English courses (12 hours numbered 300 or above) at Centenary.

DEPARTMENTAL HONORS

To be considered for Departmental Honors, students must fulfill the general college requirements for honors programs. In addition, they must:

1. Apply to the chairman of the department by the beginning of the junior year.
2. Complete a significant scholarly project to be researched and written during two semesters of independent study during the senior year.
3. Present the results of the research before a colloquium of English faculty and majors.
4. Pass a comprehensive examination based upon the departmental reading list.

MINOR REQUIREMENTS

For a minor in English, students must take at least eighteen hours beyond English 101-102, including the following:

1. English 201, 205, 206.
2. At least three hours of American literature (307, 308, or 405).
3. Six hours of English courses numbered 300 or above (excluding journalism courses).

Prerequisite for all courses numbered 300 and above/: consent of the instructor.

THE CENTENARY SEQUENCE

101. RHETORIC I: GRAMMAR AND COMPOSITION **3**

An intensive review of grammar, rhetoric, and principles of composition with an emphasis on the 500-word theme. Students are required to read classic essays and longer works from the Western tradition. Required of all students. Offered every fall.

102. RHETORIC II: INTRODUCTION TO LITERATURE **3**

A continuation of the grammar and writing emphasis of English 101, especially documented essays and a research paper, and an introduction to literature and interpretive techniques. Offered every spring.

ENGLISH COURSES

201. STUDIES IN LITERARY GENRES **3**

Prerequisite: English 101-102. Intensive readings in the masterworks of the major literary types — poetry, drama, the novel, or the short story. Only one genre is studied in any one section. Multiple sections offered each semester. May be elected for up to nine hours credit.

205,206. SURVEY OF BRITISH LITERATURE **3,3**

Prerequisite. English 101-102. A survey of British poetry, prose, and drama from the beginning to the present. The first semester includes writings from the Middle Ages through the eighteenth century; the second semester includes writings from the nineteenth and twentieth centuries. Offered yearly.

295,296. SPECIAL TOPICS **3,3**

Prerequisite: English 201 or consent of instructor. Courses in which each class section deals with a different topic (e.g., satire, myth and archetypes, Gothic literature, Southern fiction, science fiction, styles of film, etc.). Selections are studied as aesthetic creations and as illustrations of the topic under consideration. Readings cut across genres and national literatures. Topics change from semester to semester. May be elected for up to nine hours credit, but individual topics may not be repeated. Offered each semester.

299. CREATIVE WRITING **3**

Prerequisite: English 101-102. An advanced course in composition and writing for students interested in producing original pieces of prose, verse, or drama. Fall 1987 and alternate years.

301W. SEMINAR IN MEDIEVAL LITERATURE **3**

A study of the principal works of medieval English literature. A number of works are read in modern translation. Fall 1986 and alternate years.

302W. SEMINAR IN RENAISSANCE LITERATURE **3**

A study of English poetry, prose, and drama of the sixteenth and seventeenth centuries, exclusive of Shakespeare. Spring 1987 and alternate years.

303W. SEMINAR IN EIGHTEENTH-CENTURY LITERATURE **3**

A study of the representative literature from 1660 to 1798, exclusive of the novel. Special attention to Dryden, Swift, Pope, Goldsmith, Johnson and Boswell. Spring 1988 and alternate years.

304W. SEMINAR IN NINETEENTH-CENTURY LITERATURE **3**

A study of major works of British poetry, prose, and fiction from the Romantic and Victorian periods. Fall 1987 and alternate years.

305W. SEMINAR IN MODERN BRITISH LITERATURE **3**

A study of significant British literature from the late nineteenth century to the present. Special attention to Hopkins, Conrad, Yeats, Woolf, Joyce, and Eliot. Spring 1987 and alternate years.

306W. SEMINAR IN THE NOVEL **3**

An investigation of the art of the novel. Focus will vary according to interests of the instructor, and may be determined by theme, historical period, or genre. Possible topics: realism and naturalism in the American novel, the modern novel, the Victorian novel, the novel in the eighteenth century, feminism in the novel, twentieth-century novels of the American South. Spring 1988 and alternate years.

307W. SURVEY OF AMERICAN LITERATURE, 1630-1870 **3**
A survey of American writing from colonial times to about 1870. Fall 1986 and alternate years.

308W. SURVEY OF AMERICAN LITERATURE, 1870 to the Present **3**
A survey of American writing from about 1870 to the present, with attention to trends in the development of modern American literature. Spring 1987 and alternate years.

309W. HISTORY OF THE ENGLISH LANGUAGE **3**
A survey history of the language and an introduction to linguistics. Particular attention paid to phonology, morphology, and syntax and to key concepts in descriptive linguistics and grammar. Compositions include short, analytical expository themes as well as a research paper. Fall 1986 and alternate years.

310W. ADVANCED ENGLISH GRAMMAR AND COMPOSITION **3**
A descriptive study of the structural logic and idiom of the English sentence and of the creation of precise functional compositions. Fall 1987 and alternate years.

315W. SEMINAR IN CONTEMPORARY LITERATURE **3**
Intensive reading in contemporary writers (since 1950) from a wide variety of national literatures. Emphasis is on significant literary figures and movements. Works studied may vary from year to year. Fall 1987 and alternate years.

395,396W. SELECTED TOPICS **3,3**
Prerequisite: Consent of the department chairman. A detailed study of areas of language and literature not normally covered in regular English courses. Offered on demand.

400E. ENGLISH INTERNSHIP **3**
Supervised internship with an approved employer in an appropriate professional area, such as editing, publishing, and public relations. Students are required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area. Offered each semester.

401W. SHAKESPEARE **3**
A study of selected plays. The arrangement is basically chronological. Examples of histories, comedies, and tragedies are included. Fall 1987 and alternate years.

405W. STUDIES IN REPRESENTATIVE AMERICAN WRITERS **3**
Intensive reading in major writers who represent significant trends in the development of American literature. Considerable work in bibliography and research, with presentation of individual papers. Spring 1988 and alternate years.

420W. LITERARY CRITICISM **3**
A study of the background and development of modern literary criticism, with particular emphasis upon its development after Coleridge. The influences of literary theory, the various critical theories of this century, and the problems of practical criticism are the concerns of lectures, class discussions, and papers. Fall 1986 and alternate years.

441,442W. TUTORIAL IN LITERATURE **1,1**
All English majors will take a one-hour tutorial each semester of their senior year with a faculty member of their choice, on a subject to be agreed upon by the student and faculty member. Offered each semester.

473. SENIOR SEMINAR IN ENGLISH **3**
An overview of English and American literature, focusing on the major texts of the canon, and the dominant schools of thought that have shaped the study of literature in England and America. Offered every fall.

493W. INDEPENDENT STUDY **3**
Prerequisites: Senior standing and permission of the chairman of the department. Either semester of senior year. The writing of a thesis and an oral examination at the end of the semester are the core of the course. The chairman of the department appoints a committee of not fewer than three faculty members to guide each student and to conduct the oral examination. Regular class sessions are not required, but the faculty members arrange seminar discussions when circumstances warrant such meetings. A copy of the thesis is filed with the chairman of the department. Offered each semester.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

COMMUNICATIONS COURSES

207. BUSINESS COMMUNICATIONS **3**
Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall 1986 and yearly. (Same as Business 207).

251. INTRODUCTION TO MASS COMMUNICATIONS **3**
A survey of mass communications media, their purpose and their methods of operation. Designed to give students an overview and an understanding of the importance of communications media in modem society. Fall 1986 and altemate years.

352W. ADVANCED JOURNALISM: REPORTING AND FEATURE WRITING **3**
Factual writing for print and broadcast. Extensive practice in types of news stories and some features. Reporting techniques and news gathering, with interviewing emphasized. Study of human interest factors, literary devices, and news media feature markets. Discussion of reportorial responsibility including news values and objectivity. Readings in outstanding reportage of the past. Spring 1988 and altemate years.

353W. ADVANCED JOURNALISM: CRITICAL WRITING FOR THE MASS MEDIA **3**
Intensive and directed practice in writing critical reviews of the fine and popular arts for the mass media. Development of critical theories for the evaluation of individual works with emphasis on literature, drama, film, and music. Spring 1987 and altemate years.

354W. ADVANCED JOURNALISM: ADVERTISING AND PUBLIC RELATIONS **3**
Analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. Offered each spring (Same as Business 354).

400J. INTERNSHIP IN JOURNALISM **3**
Prerequisite: A grade of "C" or better in the advanced joumalism course in the area of the intemship. Supervised intemship with an approved employer in any of the professional areas covered by the Communications Program, such as marketing, advertising, public relations, and news or feature writing. Students will be required to submit a term paper or project of equivalent value to the program director at the end of the intemship. May be repeated for credit in another area. Offered each semester.

Students in foreign languages work in the language lab.

FOREIGN LANGUAGES

Professor Penuel, *Chairman*
Associate Professor: Watts
Assistant Professor: Wetsel
Lecturer: E. Crawford

The program in foreign languages at Centenary is designed to provide students with a knowledge of the foreign language and culture which will be useful to them practically, intellectually, and professionally.

Practically, we seek to equip the student with the ability to understand, speak, read, and write the language. To this end, the foreign language is used extensively, in some courses exclusively, in the classroom; two modern language laboratories are available to students both in and out of class.

Intellectually, the study of a foreign language and the culture embodied in that language will not only provide the student with an invaluable insight into the nature and structure of language as such, and language as a medium which shapes feelings and thoughts, but will also deepen his understanding of his own language and culture.

Professionally, knowledge of a foreign language may enhance employment opportunities in many fields in an increasingly interdependent world, or be the basis for a career itself, for example, in government, international business, airlines, and teaching.

Extramurally, Centenary affords its students opportunities for study abroad through its membership in the Southern College University Union and the CODOFIL Consortium (see pages 149-150), and through a variety of other study-abroad programs of quality.

For information regarding departmental scholarships please write the chairman of the department.

PLACEMENT AND CLEP CREDIT

Students with at least two years of a foreign language in high school or competent in a foreign language for other reasons may receive advanced placement or be exempted from departmental foreign-language requirements on the basis of their score on a placement/proficiency test given by the Department of Foreign Languages just before registration each fall (see the chairman of the department for information on the scheduling of this test).

Centenary awards credit in foreign languages through the College Level Examination Program (CLEP). For specific information on this program, see page 23.

MAJOR REQUIREMENTS FOR THE B.A. IN FRENCH OR SPANISH

1. Twenty-one semester hours in French or Spanish courses numbered above 202.
2. Supportive courses as follows:
   Nine semester hours in English courses (excluding courses in journalism) numbered above 102, including either 309 or 420 according to the student's emphasis on language or literature.
   Religion 101 or 102
   Three semester hours in philosophy.
   (Strongly recommended are three additional hours in religion or philosophy and six hours in fine arts.)

MAJOR REQUIREMENTS FOR THE B.A. IN FOREIGN LANGUAGES

1. Nine semester hours in the major language in courses numbered above 202.
2. Six semester hours in the minor language in courses numbered above 202, three of which shall be in literature.
3. Supportive courses are the same as those required for the B.A. in French or Spanish.

A major may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. (See page of the catalogue). For details, consult the department chairman.

MINOR REQUIREMENTS

Requirements for a minor in French, German, or Spanish are twenty (20) hours in the language including six semester hours in courses numbered above 300, three of which shall be in literature. (Credit for elementary and intermediate level courses -101, 102; 201, 202 - may be obtained through competent performance on CLEP or Advanced Placement tests.)

DEPARTMENTAL PROGRAM: BUSINESS/SPANISH COORDINATE PROGRAM

This coordinate program with the School of Business is designed to prepare the business student to work in a Spanish speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree.

1. Required courses in Business are 321, 323, 346, and 425.
2. Required courses in Economics are 101, 303, 311, 312, and 440.
3. Required courses in Accounting are 203-204.
4. Required courses in Spanish beyond 202 are 206, 305, 308, and a 400-level course. Certain of these courses are flexibly designed to permit the students to familiarize themselves with the specialized vocabularly and literature of their field of interest.
5. Supportive requirements:
   A. Mathematics 107.
   B. History 341 or Political Science 304.
   C. A computer science course.

Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel of the Department of Foreign Languages.

DEPARTMENTAL COURSES (FLG)

FOREIGN LANGUAGE 100: GREEK AND LATIN ELEMENTS IN SPECIALIZED ENGLISH TERMINOLOGY 1

No knowledge of Greek or Latin required. Analysis of English word formation from Greek and Latin elements for the prospective student in medicine, dentistry, law, and graduate work in the arts and sciences.

FOREIGN LANGUAGE 300: STUDY ABROAD (CREDIT EVALUATED)

Centenary-approved enrollment in courses pursued abroad, such as concurrent registration in study abroad programs through SCUU and CODOFIL.

FOREIGN LANGUAGE 330: METHODS OF TEACHING FOREIGN LANGUAGES 3

A study of various approaches to the teaching of foreign languages to children and adults, including readings in current theories of language teaching and learning and opportunities for observation and practice teaching. Prerequisite: completion of the intermediate level of a foreign language. On demand.

FOREIGN LANGUAGE 395, 396W: SELECTED TOPICS IN LANGUAGE AND LITERATURES IN TRANSLATION **3,3**

Prerequisite: English 201 or permission of instructor. No knowledge of a foreign language required. Topics in linguistics, and the literatures of classical or modem languages in English translation. Individual topics may not be repeated for credit. (Also listed as English 395W, 396W.) Offered yearly.

FOREIGN LANGUAGE 400: INTERNSHIP **1-3**

This course involves practical experience in the teaching of foreign languages or in the use of foreign languages in the business world.

FOREIGN LANGUAGE 473. SENOR SEMINAR **3**

An intensive study of a topic in language, literature, civilization, or foreign language teaching methodology. The student will make an oral presentation of at least one major paper on the topic being studied.

FOREIGN LANGUAGE I-99: INTERIM STUDIES **3**

Special topics offered in the January Interim. Some typical courses in recent years have been: Introduction to Linguistics; Spanish and Spanish-American Literature in Translation; Interim in Mexico; Art and History in Northem France.

FOREIGN LANGUAGE M-99: MODULE STUDIES **3**

Special topics offered during the May Module.

NOTE: ***In addition to three class hours weekly, two hours of oral drill or language laboratory work are an integral part of all courses in the department numbered*** **101-102.**

FRENCH (FRN)

101-102. ELEMENTARY FRENCH **4-4**

The verbal-active approach with emphasis on all four language skills: comprehension, speaking, writing, reading.

201-202. INTERMEDIATE FRENCH **3-3**

Prerequisite: French (101-102) or equivalent. Grammar review, development of vocabulary and fluency in oral and written expression. Readings on various aspects of French culture, including literature.

209. SELECTIONS FROM FRENCH LITERATURE (1600 TO THE PRESENT) IN ENGLISH **3**

A study of some of the great writers of French literature (1600 to the present), including Molieře, Mme de La Fayette, Voltaire, Diderot, Flaubert, Zola, Proust, Sartre, Ionesco, and Butor. All readings and assignments in English. On demand.

305. ADVANCED CONVERSATION AND DICTION **3**

Prerequisites: French 201-202 or permission. Required of all French majors, and strongly urged for those planning to teach in the public schools. Systematic treatment of French phonetics with practical applications. Oral work concentrated on the more complex grammatical constructions and idioms, designed to increase the student's command of contemporary French. Intensive use of laboratory tapes featuring native speakers. Offered yearly.

306. ADVANCED COMPOSITION AND STYLISTICS **3**

Prerequisites: French 201-202. Required of all French majors, and strongly urged for those planning to teach. Study of stylistic elements in French poetry and prose. Translation of sophisticated English texts into French as well as original composition in French. Includes advanced grammer. Offered yearly.

395,396. SELECTED TOPICS **3,3**

Prerequisites: French 201-202 or equivalent. Study in areas of French language, civilization, or literature not covered by other courses. Individual topics may not be repeated for credit. Offered on demand.

417. LITERATURE OF THE SEVENTEENTH CENTURY **3**

Prerequisites: French 201-202 or equivalent, English 201. Study of seventeenth-century French writers such as Comeille, Molieře, Racine, La Rochefoucauld, Pascal, La Fayette. Offered Fall, 1986 and alternate years.

418. LITERATURE OF THE EIGHTEENTH CENTURY **3**

Prerequisites: French 201-202 or equivalent, English 201. Study of eighteenth century French authors such as Voltaire, Diderot, Rousseau, Prevost, Marivaux, Laclos, Lesage. Offered Spring, 1987 and alternate years.

419. LITERATURE OF THE NINETEENTH CENTURY **3**

Prerequisites: French 201-202 or equivalent, English 201. Study of nineteenth-century French authors such as Chateaubriand, Constant, Stendhal, Hugo, Flaubert, Balzac, Baudelaire, Zola, and the Symbolist poets. Offered Fall, 1987 and alternate years.

420. LITERATURE OF THE TWENTIETH CENTURY **3**
Prerequisites: French 201-202, or equivalent, English 201. Study of modern French playwrights, poets, and novelists such as Proust, Gide, Sartre, Ionesco, Claudel, Camus, Malraux. Offered Spring, 1988 and alternate years.

491-493. INDEPENDENT STUDY **1-3**
Prerequisites: French 201-202 and permission of instructor. Study in a field of French language or literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit. Offered upon demand.

GERMAN

(GER)

101-102. ELEMENTARY GERMAN **4-4**
An audio-lingual approach to basic German speech patterns. Conversation, functional grammar, and reading supplemented by drill in the language laboratory.

103. GERMAN FOR READING KNOWLEDGE **3**
Basic German grammar and readings in expository texts for students desiring reading proficiency for graduate study or as an audit for students desiring a review before attempting intermediate courses. Does not satisfy Centenary language requirements. Offered on demand.

201-202. INTERMEDIATE GERMAN **3-3**
Prerequisites: German 101-102 or equivalent. Continuation of oral-aural practice, integrated with a systematic review of grammar, vocabulary building, and composition. Kulturkunde. Extensive reading in modern German prose, including some selections representative of the expository type.

301-302. ADVANCED GERMAN **3-3**
Prerequisites: German 201-202 or equivalent. Advanced readings reflecting various aspects of literary and cultural life in Germany as a basis for written and oral practice designed to increase the student's command of contemporary German. Offered in 1987-88 and alternate years.

401W-402W. SURVEY OF GERMAN LITERATURE **3-3**
Prerequisites: German 201-202 or equivalent. Dieser Kurs veranschaulicht die Entwicklung der deutchen Literatur von ihren Anfaengen bis zur Gegenwart. Besondere Betonung liegt bei der Auswahl des Lesestoffes auf den weniger umfangreichen Werken, die in ihrer literarischen Gestalt typische Vertreter der betreffenden Epoche sind. Offered in 1986-87 and alternate years.

491-493. INDEPENDENT STUDY **1-3**
Prerequisites: German 201-202 and permission of the instructor. Study in a field of German language or literature appropriate to the student's preparation and interests.

GREEK

(GRK)

101-102. ELEMENTARY GREEK **3-3**
An introduction to the fundamentals of Greek grammar with readings in Classical Greek authors. Some attention to New Testament usage.

201-202. INTERMEDIATE GREEK **3-3**
Review of Greek grammar; readings in the New Testament. Prerequisites: Greek 101-102 or demonstrated proficiency. May be taught during years when Greek 101-102 is not being offered.

LATIN

(LAT)

101-102. ELEMENTARY LATIN **3-3**
An introduction to the fundamentals of Latin grammar and the reading of Latin authors.

201-202. INTERMEDIATE LATIN **3-3**
Designed for freshmen entering with two units of Latin, or those who have had Latin 101-102. Reading from several Latin writers. Systematic review of principles of syntax.

491-493. INDEPENDENT STUDY **1-3**
Prerequisite: Permission of instructor. Advanced study in the Latin writers such as Cicero, Virgil, Ovid, Plautus, Terence, Livy, Sallust, and Lucretius. Individual topics may not be repeated for credit.

ITALIAN

(ITL)

101-102. ELEMENTARY ITALIAN **4-4**
An introduction to Italian with emphasis on all language skills: comprehension, speaking, reading and composition. Offered on demand.

201. INTERMEDIATE ITALIAN **3**
Review of Italian grammar, intermediate level conversation and readings: 14 short prose selections and two plays. On demand. Prerequisite: Italian 101-102 or demonstrated proficiency.

SPANISH

(SPN)

101-102. ELEMENTARY SPANISH **4-4**
An eclectic approach to Spanish, stressing oral-aural communication skills, grammar, and the cultural context of the language.

201-202. INTERMEDIATE SPANISH **3-3**
Prerequisites: Spanish 101-102, 201: Advanced grammar, composition, conversation, and reading. 202: Reading of selected works in Spanish. Conducted largely in Spanish.

206. APPLIED SPANISH **1**
May be taken by students enrolled in Spanish 202 who wish to develop language skills in their specialty. Students will make oral and written reports in Spanish on readings in the literature of their field.

207. MODERN HISPANIC LITERATURE IN ENGLISH **3**
A study of nineteenth- and twentieth-century Hispanic literary masterpieces in translation, including Valera, Galdós, Unamuno, Ortega y Gasset, Lorca, Cela, Borges, and Garcia Marquez. Fall, 1987 and alternate years.

305. ADVANCED CONVERSATION AND COMPOSITION **3**
Prerequisites: Spanish 201-202 or consent of instructor. Intense conversational practice, advanced grammar and composition. Designed to allow the student to develop vocabulary in his field. Strongly urged for those planning to teach in the elementary or secondary schools. Fall 1987 and alternate years.

308. INTRODUCTION TO SPANISH-AMERICAN LITERATURE **3**
Prerequisites: Spanish 201-202 or consent of instructor. Readings from the works of representative Spanish-American writers. Conducted in Spanish. Spring 1987 and alternate years.

395-396. SELECTED TOPICS **3,3**
Prerequisites: Spanish 201-202. Study in some areas of Spanish or Spanish-American literature not covered elsewhere. Individual topics may not be repeated for credit. Offered upon demand.

417. LITERATURE OF THE SPANISH GOLDEN AGE **3**
Prerequisites: Spanish 201-202 or consent of instructor. A study of sixteenth- and seventeenth-century Spanish literature with emphasis on Cervantes **El Quijote**. Conducted in Spanish. Fall, 1986 and alternate years.

419. NINETEENTH-CENTURY SPANISH LITERATURE **3**
Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal nineteenth-century Spanish writers with emphasis on the novelists. Conducted in Spanish. Fall, 1987 and alternate years.

420. TWENTIETH-CENTURY SPANISH LITERATURE **3**
Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal twentieth-century Spanish writers. Conducted in Spanish. Spring, 1988 and alternate years.

491-493. INDEPENDENT STUDY **1-3**
Prerequisites: Two courses above 207 (including Spanish 308 if the study is in Spanish-American literature), and permission of the instructor. Study in a field of Hispanic literature, language, or civilization appropriate to the student's preparation and interests. Individual topics may not be repeated for credit.

GENERAL EDUCATION

(GED)

101,102. CULTURAL PERSPECTIVES **1,1**

A two-semester course, required of all freshman and other entering students, designed to encourage them to broaden their cultural perspective and to enrich their liberal arts education through attending various extracurricular events. Credit (pass-fail) may be earned by certified attendance at the following types of events; art, drama, films, music, forums, all-college convocations, and other convocations.

A brochure will be distributed at registration explaining the detailed rules of the program and listing the semester's events and dates. Attendance at a total of ten events required for each semester.

Students enjoy a visit at breakfast before going to class.

GEOLOGY AND GEOGRAPHY

Professor Sartin, *Chairman*
Assistant Professor: Frey
Adjunct Professor: Shaw
Professor Emeritus: Parker
Instructor: Bennett
Lecturers: Langton, Hennessey

Introductory courses offered by the Geology Department are designed to broaden the student's knowledge and understanding about the earth and to develop an appreciation for our environment. Various processes of geology that have been proceeding at fairly uniform rates since the continents and oceans formed are identified and discussed. The present environments are used as models for past conditions on earth.

The students majoring in geology learn the fundamentals of earth science required for successful graduate work and research. Those students not interested in graduate study may upon graduation choose to work with a state or federal geological survey, an oil company, or a mining company. However, the superior student is directed toward advanced studies.

The Geology Department offers areas of study for both the prospective professional geologist and the individual interested in geology but not intending to make it a career. The student may intend to work in service-related fields of geology, such as petroleum. Centenary offers courses in geology which enhance the student's chances for employment and advancement with the various energy-related companies.

In the Ark-La-Tex area, oil and gas are foremost energy resources. The Department emphasizes this aspect of geology in numerous courses listed in the curriculum and taught by local petroleum geologists. Most independent studies courses are concerned with hydrocarbon sources, reservoirs, and entrappings mechanisms. Full-time students in the Department are invited to use local well log libraries (restricted membership) which have complete collections of well logs and various types of well data for the area. The Department has an extensive collection of well logs, maps, and miscellaneous data concerned with oil and gas exploration, reservoir studies, and production.

The flexibility of the geology curriculum is demonstrated by the variety of courses available for the B.A. and the B.S. degrees. The student interested in geology as a career should obtain the B.S. This course of study is necessary in order to secure the proper foundation for successful graduate work and for employment as a geologist.

MAJOR REQUIREMENTS FOR THE B.A. DEGREE

In addition to the courses meeting the requirements of the College, a candidate for the B.A. will take:

1. Thirty (30) semester hours in Geology including 101/111, 102/112, 151, 206, 305, 306, 352, and 355.
2. Supportive courses as follows:
   a. Engineering 142 (Map Drafting and Plane Table Surveying)
   b. Two courses in science other than geology
   c. Chemistry 101/111, 102/112
   d. One course in Mathematics, 107 or higher
   e. Courses (101-102) in a foreign language.

MAJOR REQUIREMENTS FOR THE B.S. DEGREE

In addition to the courses meeting the requirements of the College, a candidate for the B.S. degree will take:

1. Thirty-five (35) semester hours in Geology, including 101/111, 102,112, 151, 206, 306, 352, 355, 390, 401, 402, 471, and 482S
2. Supportive courses as follows:
   a. Chemistry 101/111, 102/112
   b. Physics 104-105 or Biology 101/111, 102/112
   c. Mathematics 108 and 201
   d. Courses (101-102) in a foreign language

GEOGRAPHY (GOG)

205. CULTURAL GEOGRAPHY 3
A study of the cultural diversity of man as a function of geographical distribution.

206. WORLD GEOGRAPHY 3
Presents essential information concerning the natural and cultural environments in the world.

GEOLOGY (GLG)

GEOLOGY 101/111 and 102/112 are prerequisites for all other geology courses. Admission to advanced geology classes is allowed after successful completion of these prerequisites or upon permission of the instructor.

101. PHYSICAL GEOLOGY (LAB REQUIRED) 3
Prerequisite to all other courses in the department. Introductory lecture course concerned with processes and principles acting upon the earth today.

111. PHYSICAL GEOLOGY LABORATORY 1
Practical studies of minerals, rocks, and maps.

102. HISTORICAL GEOLOGY (LAB REQUIRED) 3
A fundamental part of geology concerned with paleogeography and paleontology. Various concepts are explored for reconstructing ancient environments. Offered yearly.

112. HISTORICAL GEOLOGY LABORATORY 1
An application of the concepts and processes discussed in Historical Geology lectures. Maps, fossils, and criteria for the identification of environments are studied. Offered yearly.

103. ENVIRONMENTAL GEOLOGY 3
A study of the interactions between man and his geological environment, to include urbanization and pollution, geological hazards, and geological resources. Offered on demand.

151. REGIONAL GEOLOGY 3
A study of the tectonic development and major geological features of the United States. Fall of each year.

203. PETROLEUM STRUCTURAL GEOLOGY 3
This course is designed for the Petroleum Land Management major and non-geologists. It is the study of different types of geologic structures that affect the formation, migration, and trapping of petroleum. Prerequisites: Physical Geology 101 and Historical Geology 102.

206. MINERALOGY 4
A description of the common minerals of the earth's crust, with identification by physical and chemical means. Suggested prerequisite: Chemistry 101. Fall of each year.

301. GEOLOGY OF PETROLEUM 3
A course devoted to the study of the origin, migration, and accumulation of petroleum and of the oil and gas fields in the U.S. in general. Alternate years.

302. GEOLOGY OF THE ARK-LA-TEX OIL AND GAS FIELDS 3
A detailed study of the various oil and gas fields of the Ark-La-Tex. Offered on demand.

303. WELL LOGGING 3
A study of the various methods of well-logging and their application to the general field of geology. Yearly.

305, 306. INVERTEBRATE PALEONTOLOGY **3,3**
An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages. Yearly.

351. ECONOMIC GEOLOGY **3**
The genesis of ores, the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits. Altemate years.

352. ELEMENTARY PETROLOGY **4**
The description and identification of the common rocks in the crust of the earth, and a study of the theories of origin for the different types of rocks. Prerequisite: Geology 206. Spring of each year.

355. STRUCTURAL GEOLOGY **4**
This course is designed for the geologist. It is a study of stress-strain relationships, mechanics of folding, faulting, and other deformational features; and solutions of structural problems. Offered yearly, spring.

390. FIELD GEOLOGY **6**
A six-week course in field methods, geologic mapping, and preparation of geologic reports. The work will include preparation of topographic and geologic maps, cross-sections, columnar sections, and structural studies in an area encompassing igneous, sedimentary, and metamorphic rocks. Plane-table and aerial-photo techniques will be used in map preparation. Summers only. Prerequisites: Geology 101, 102, 206, 352, 355, or approval of instructor.Required of all geology majors seeking a B.S. degree.

395,396. SELECTED TOPICS **3,3**
Designed for those topics not normally offered in the curriculum.

401. SEDIMENTOLOGY **3**
A discussion and study of the origin and environments of sediments and their diagenesis. Fall of each year.

402. PRINCIPLES OF STRATIGRAPHY **3**
The principles underlying the description, identification, and geologic history of the stratigraphic units of the earth's crust. Spring of each year.

405. INTRODUCTION TO GEOPHYSICAL PROSPECTING **3**
Prerequisite: Mathematics 107, or equivalent. An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical, and other methods. Offered on demand.

421. INTRODUCTION TO MICROPALEONTOLOGY **3**
A study of some of the important microfossils of the geologic column and methods of applying these data. Offered on demand.

471. SENIOR SEMINAR **1**
Integrates the studies taken in the department through a major paper to be presented orally.

482S. GEOLOGY SEMINAR **2**
A review of current research being conducted in geoscience. Oral presentations will be required.

491-496. INDEPENDENT STUDY **1-6**
In-depth studies of those aspects of geology not normally covered in existing courses. Prerequisite. Consent of instructor. Offered on demand. 493-496 will satisfy college requirements for a "W" course.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

HEALTH AND PHYSICAL EDUCATION

Associate Professor Farrar, *Chairman*
Associate Professors: Bedard, LeFevers
Instructor: Edwards

The Department of Health and Physical Education offers an opportunity for all students to participate and acquire skills and knowledge in a variety of sports and activities, including individual and team sports, conditioning exercises, dance, gymnastics, and swimming. Opportunities for competitive experiences for both men and women in a variety of sports and activities are provided through the intramural program. The department prepares its majors for teaching in elementary and secondary schools, athletic coaching, recreational work in churches, and admission to graduate school.

MAJOR REQUIREMENTS

Candidates for the B.S. in Health and Physical Education must complete:

1. Thirty-two (32) hours in Physical Education including 221, 223, 239, 241, 242, 324, 330, 345, 424 and eight (8) hours of skills and techniques, no more than four (4) of which may be in coaching. The remainder of the thirty-two hours must be taken in physical education courses numbered 120 or above and be approved by the faculty adviser.
2. Supportive course, Biology 207.

All majors wishing to certify as teachers must meet the state certification requirements in secondary education (See Education.)

To be certified as a teacher in health and safety as well as physical education, the student must complete, in addition to the major requirements listed above: PED 224, 321, 354, 355, and 357.

Activity courses (numbered 101 through 202) are open to all students who wish to participate. Non-majors wishing to take theory courses in physical education must have authorization from the department chairman. In most instances PED 223 is a prerequisite for all theory courses with the exception of I-99, 221, 239, 321, 354, 355, and 357.

MINOR REQUIREMENTS

A Physical Education Minor:

PED 223 History and Principles of Physical Education
PED 324 Kinesiology
PED 241 Skills and Techniques of Teaching Individual Sports
PED 242 Skills and Techniques of Teaching Team Sports
PED 424 Administration of Health and Physical Education
PED 330 Tests and Measurements or PED 359, PE for Special Populations
HED 221 First Aid and Personal Safety

B. Health Minor:
HED 221 First Aid and Personal Safety
HED 224 Safety Education
HED 321 Personal and Community Health
HED 354 School Health
HED 355 Drug Education
HED 357 Consumer and Nutrition Education
PED 324 Kinesiology

PHYSICAL EDUCATION (PED)

101,102. VARSITY ATHLETICS **1,1**
Activity course for individuals engaged in varsity athletics and cheerleading.

103. DYNAMIC PHYSICAL FITNESS FOR CONTEMPORARY SOCIETY **2,2**
A self-paced course designed to guide the student through self assessment, the establishment of a fitness profile, a goal setting process, and finally the construction of and participation in a well-rounded program toward the improvement and/or maintenance of a desired level of physical fitness. Offered each semester.

121-122. BALLET (BEGINNING) **1-1**
Introduction to the fundamentals of classical ballet and vocabulary. (Same as TSP 121-122)

123-124. TAP (BEGINNING) **1-1**
Basic tap technique and vocabulary. (Same as TSP 123-124).

125-126. JAZZ (BEGINNING) **1-1**
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexibility of the body. (Same as TSP 125-126.)

127-128. MODERN DANCE (BEGINNING) **1-1**
Introduction to basic modern dance technique, terminology, and philosophy. (Same as Theatre/Speech 127-128.)

201,202. CO-EDUCATIONAL ACTIVITY **1,1**
Archery, Badminton, Basic Marksmanship, Bowling, Conditioning Exercises, Dance (Tap, Ballet, Jazz), Golf, Gymnastics, Power Volleyball, Racketball, Swimming, and Tennis.

203. ADVANCED RIFLERY/PISTOL MARKSMANSHIP **1**
Prerequisite: MSC 101 or consent of instructor. Study and practical exercise of international competitive marksmanship, coaching techniques, and weapons safety. (Same as MSC 203.)

211. ORIENTEERING **2**
Introduction to basic orienteering skills, physical fitness, map reading, terrain association and cross-country land navigation. Lecture and laboratory. Yearly. (same as MSC 201.)

222. TECHNIQUES OF GYMNASTICS **2**
Instruction in the techniques of teaching basic skills in men's and women's gymnastics. Yearly.

223. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION **3**
An introductory course designed to acquaint students with the biological, psychological, and sociological foundations of physical education, and to provide historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly.

226. PSYCHOLOGY OF MOTOR LEARNING **2**
A presentation of the basic learning principles which underlie motor skill performances associated with physical activity and sports and an examination of the variables affecting skill learning. Yearly.

231. ORGANIZATION AND ADMINISTRATION OF INTRAMURAL SPORTS **2**
Prerequisite: Consent of instructor. A study of methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play statistics, arrangements, and officiating. Each semester.

233. SPORTS OFFICIATING **2**
Principles, techniques, and practices of officiating with emphasis on rules, rule interpretations, and mechanics. Practical experience will be arranged. Alternate years.

239. MATERIALS AND METHODS OF P.E. FOR THE ELEMENTARY GRADES **3**
Prerequisite: Psychology 211 or equivalent. A study of factors influencing effective organization and instruction of physical education in the modern elementary school with emphasis upon movement education. Yearly.

241. SKILLS AND TECHNIQUES OF TEACHING INDIVIDUAL SPORTS **3**
A course designed to develop knowledge, teaching techniques, and skills in individual sports and appropriate to the physical education teacher.

242. SKILLS AND TECHNIQUES OF TEACHING TEAM SPORTS **3**
A course designed to develop knowledge, teaching techniques, and skills in team sports and appropriate to the physical education teacher.

324. KINESIOLOGY **3**
Prerequisite: Biology 207. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological actions of joints and muscles. Yearly.

330. TESTS AND MEASUREMENTS **3**
A study of tests designed to measure health, physical fitness, strength, motorability, game skills and the use of the results of the tests. Yearly.

331. SWIMMING AND LIFESAVING TECHNIQUES **2**
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior Lifesaving Certificate of the American National Red Cross may be obtained. Yearly.

333. THEORY AND TECHNIQUES OF CONDITIONING AND WEIGHT TRAINING **3**
A study of the application of scientific principles of conditioning and weight training as it relates specifically to the teaching of physical activity and sport. The development of strength, flexibility, and endurance will be explored as it applies to off-season, pre-season, in-season, and post-season conditioning programs. Other topics include the variance among conditioning/weight training programs, medical examinations, warm-up procedures, nutrition, and fluid control.

334. FOLK AND SQUARE DANCE TECHNIQUES **2**
Techniques of teaching folk, ballroom, and square dance. Altemate years.

345. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN THE SECONDARY SCHOOLS **3**
Prerequisite: Psychology 211 or equivalent. Curriculum planning based upon grade characteristics and educational philosophy. Emphasis will be placed on teaching-leaming strategies, selection and design of materials, and analysis. Yearly.

346. PRINCIPLES AND PROCEDURES OF COACHING WOMEN'S SPORTS **3**
An examination of the history, values, and trends in extracurricular sports programs for girls and women. Emphasis will be placed upon anthropometric and physiological factors, physical conditioning, sports training, and psychological and sociological implications of girls' and women's sports. Yearly.

347. TECHNIQUES OF COACHING FOOTBALL **3**
A study of the basic offensive and defensive formations and pattems, their strengths and weaknesses. Instruction in fundamentals, program organization, and administration are included. Yearly.

348. TECHNIQUES OF COACHING BASEBALL **3**
A study of the fundamentals of baseball and game strategies. Yearly.

350. TECHNIQUES OF COACHING TRACK AND FIELD **3**
An examination of the fundamentals of track and field events and meet administration. Yearly.

359. PHYSICAL EDUCATION FOR SPECIAL POPULATIONS **3**
Prerequisites: Physical Education 223 and 345 or equivalents. A course designed to prepare the physical educator to select and conduct physical education activities for children with physical and/or mental handicaps. Attention will be given to adapting activities and remedial techniques. Yearly.

395,396. SELECTED TOPICS **3,3**
A detailed study of an area of physical education not normally covered in regular physical education courses. On demand.

400. INTERNSHIP IN HEALTH AND PHYSICAL EDUCATION **3**
This course will provide an opportunity for the student to work in a practical situation and gain knowledge by first-hand experience in various areas of Health and Physical Education. Yearly. Prerequisite: Physical Education Major.

424. ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION **3**
Prerequisites: Junior or senior standing or consent of instructor. A study of the principles underlying the organization and administration of programs of health and physical education in modem schools. Yearly.

483. SEMINAR IN HEALTH AND PHYSICAL EDUCATION **3**
An advanced study in Health and Physical Education with particular emphasis on a review of the parameters of Health & Physical Education. Members of the class will be expected to complete a review of literature in pertinent areas. Yearly. Prerequisites: Senior Physical Education majors — Permission of Instructor.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Permission of department chairman. A course of directed study and independent work under the supervision of a member of the department. In certain cases credit may be given for supervised work in community and college activities in the field of physical education. On demand.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim. Sample topics: Techniques of Coaching Basketball; Establishing Recreational Programs; Child Abuse, Therapeutic and Adaptive Activities; International Soccer Program.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

HEALTH EDUCATION (HED)

221. FIRST AID AND PERSONAL SAFETY **2**
Designed to develop competence in rendering immediate and temporary aid to a victim of accident, sudden illness, or athletic injury. Theoretical and practical approach. Covers both standard and advanced courses of the American National Red Cross, with certificates granted for satisfactory work. Meets three hours each week. Each semester.

224. SAFETY EDUCATION **3**
A study of safety, including causes and prevention of accidents at home, school, traffic, industry, and recreation; laws conceming legal liability, accidents, and liability insurance. Yearly.

321. PERSONAL AND COMMUNITY HEALTH **3**
An introduction to factors influencing and determining personal and community health with emphasis upon major health problems of adults and enviromental health problems. Yearly.

354. SCHOOL HEALTH **3**
A study of major health problems of elementary school children including health screening methods, materials, and modem health resources.

355. DRUG EDUCATION **3**
A study of the sources, effects, and abuse of legal and frequently abused drugs, and the community and personal factors associated with this abuse. Yearly.

357W. CONSUMER AND NUTRITION EDUCATION **3**
A study of health services, products, and nutrition with emphasis upon methods and materials pertinent to health education. Yearly.

358W. NUTRITION, DIET, AND PHYSICAL ACTIVITY **3**
The study of human nutrition specifically as it applies to physical performance. After a general review of basic nutrition, emphasis will be placed on fad diets, ergogenic aids, carbohydrate loading, mega-vitamins/minerals, weight gain/loss, drugs, electrolyte balance, and pre-activity meals. Yearly and summer.

HISTORY AND POLITICAL SCIENCE

Professor Hancock, *Chairman*
Associate Professor: Grunés Shepherd

The courses offered by the Department of History and Political Science are designed to make an essential contribution to a liberal education by providing the general student with a comprehensive and integrated knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

For those interested in teaching history, political science, or social studies at the secondary level, see description of B.A. in social studies education, page 87.

HISTORY (HST)

MAJOR REQUIREMENTS

1. A candidate for the B.A. in History must complete thirty (30) semester hours in history, including 101, 102, 205, 206, and 483.
2. Of these thirty semester hours, fifteen (15) must be in courses numbered 300 and above.
3. Supportive courses required are Economics 101, nine (9) semester hours in political science, and completion of the intermediate level of a foreign language approved by the major advisor.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the department chairman.

MINOR REQUIREMENTS

For a minor in History, students must complete 18 hours of History courses which must meet the following requirements:

1. At least 9 hours of course work in HST 101, 102, 205, 206.
2. At least 6 hours of courses numbered 300 or above.
3. At least 6 hours of U.S. history courses and at least 6 hours of other history courses.

101,102. SURVEY OF WESTERN CIVILIZATION **3,3**
A survey of the development of western cultures and nations, from beginnings of history to the present. Yearly.

205. HISTORY OF THE U.S. TO 1877 **3**
A survey of the major developments in the history of the United States from colonial times to 1877. Yearly.

206. HISTORY OF THE U.S. FROM 1877 **3**
A survey of the major developments in the history of the United States from 1877 to present. Yearly.

207. HISTORY OF LOUISIANA **3**
A survey of the history under France, Spain, and the United States. Alternate years.

301W. HISTORY OF THE CHRISTIAN CHURCH TO 1450 **3**
Introduces the student to significant institutional developments, important individuals, and theological trends in the church from its beginning to the end of the Middle Ages. Fall of alternate years. (Same as Religion 301.)

302W. HISTORY OF THE CHRISTIAN CHURCH SINCE 1450 **3**
Study of Christianity in the modem era against the background of political and social change. Spring of alternate years. (same as Religion 302.)

305W. EUROPE IN THE NINETEENTH CENTURY, 1815-1914 **3**
The history of Europe during a century of dramatic transformation. Attention will be given to the Industrial Revolution, post-Napoleonic reaction, liberalism, revolution, nationalism, imperialism, and the coming of World War I. Fall of alternate years.

306W. TWENTIETH-CENTURY EUROPE **3**
A survey of European social, cultural, economic, and political developments, emphasizing the unique characteristics of the major European nations and their effects upon international relationships. Alternate years.

307,308W. HISTORY OF ENGLAND AND GREAT BRITAIN **3,3**
A general survey of the history of England and the British Empire to the present time. Alternate years.

312. TWENTIETH-CENTURY UNITED STATES **3**
The social, economic, and political development of the United States in its role as major world power in the twentieth century. Spring of alternate years.

317W. RENAISSANCE EUROPE 1300-1520 **3**
A study of the important political, economic, religious, social and cultural changes and developments. Fall of alternate years. (Same as Religion 317.)

318W. THE REFORMATION ERA 1500-1650 **3**
A general view of sixteenth and early seventeenth century European history with special emphasis on the Protestant and Catholic Reformations and the Wars of Religion. Spring of alternate years. (Same as Religion 318.)

321,322W. AMERICAN SOCIAL AND INTELLECTUAL HISTORY **3,3**
The evolution of American social institutions and cultural life from the colonial period to the present. The course will focus on the development of various types of American communities and will emphasize changes in American families, religious, and ethnic groups, business and educational organizations, and social structure. Alternate years.

325. HISTORY OF THE ANTE-BELLUM SOUTH **3**
An examination of the South from colonial days through the Civil War with emphasis on the institution of slavery, agriculture, society, and the development of sectionalism. Fall of alternate years.

326. HISTORY OF THE MODERN SOUTH **3**
A study of the South from Reconstruction to the present, with emphasis on politics, economics, culture, and race relations. Spring of alternate years.

341. LATIN AMERICA **3**
A Survey from colonial time to the present, with special attention given to developments in the twentieth century.

351. THE RISE OF MODERN CHINA **3**
A study of the social, economic, and political developments in China from the Opium Wars to the present. Special emphasis will be given to the nature and significance of the Chinese revolution.

352. THE RISE OF MODERN JAPAN **3**
Japanese political, economic, and social developments since 1868. Special topics will include the persistence of traditional elements in modem Japanese culture and the Japanese attraction to Western culture.

395,396. SELECTED TOPICS **3,3**
Prerequisite: Consent of the instructor. A detailed study of areas of history not normally covered in regular history courses. Offered on demand.

483. SEMINAR IN HISTORY **3**
Prerequisite: Consent of the instuctor. The study of historical and political issues and problems in a selected period of history. Members of the class will do extensive reading and research on various aspects of the period selected and will use the research methods best suited to the particular project. On demand.

491-496. INDEPENDENT STUDY **1-6**
Students taking History Honors will eam credit with Honors in this course through concentrated study of selected topics. Other students with particular historical interests which cannot be satisfied in regularly listed courses may register for directed study in areas such as Progressivism, Modem India, Society in the 1920's, Idealism in American Foreign Policy, the Industrial Revolution in England, and others, subject to faculty approval May be repeated for credit with different topics. Permission of the department is required. Yearly.

I-99. INTERIM STUDIES 3
Special topics offered in January Interim.

M-99. MODULE STUDIES 3
Special topics offered during the May Module.

POLITICAL SCIENCE (PSC)

MAJOR REQUIRMENTS

A candidate for the B.A. in Political Science must complete:

1. Thirty semester hours in the major, including 101, 102, and 483, and at least one course numbered 300 and above in each of the four major areas of political science.
   (a) American Government and Politics/Public Administration (315, 316, 330, 335, 340, 355, 400; 300, Special Topics, seminar, and independent study depending on content.)
   (b) Comparative Government and Politics (304, 305, 306; 300, Special Topics, seminar, and independent study depending on content.)
   (c) International Politics (310, 324, 440; 300, Special Topics, seminar, and independent study depending on content.)
   (d) Political Theory including American Political Thought (307, 350; 300, Special Topics, seminar and independent study depending on content.)
2. Supportive courses required are nine (9) hours of history, Economics 101; majors are also expected to complete the intermediate level in a foreign language approved by the major adviser.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the department chairman.

Political Science 101 and 102 or consent of the instructor are prerequisites to all 300-and 400-level courses, unless otherwise stated in the course description.

101. INTRODUCTION TO POLITICAL SCIENCE 3
Basic principles of political science and political behavior which may be applied at all levels of government. Yearly

102. INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS 3
A survey of the foundations and institutions of American government and politics: the Constitution; federalism; separation of powers; campaigns; elections; political parties; interest groups; the media; public opinion; and executive, legislative, judicial, and bureaucratic policy-making at national, state, and local levels.

207. INTERNATIONAL RELATIONS 3
A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations. Yearly.

210. STATE AND LOCAL POLITICS IN THE SOUTH 3
A survey of problems, functions, and weaknesses in the state and municipal government, local planning and study of government in Louisiana. Yearly.

214. INTRODUCTION TO RESEARCH METHODOLOGY 3
The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. May not be used to fulfill distributive requirements. (Same as Psychology 214, Sociology 214.)

300. WASHINGTON SEMESTER PROGRAM
See page 150 for description.

303. STATISTICS FOR BEHAVIORAL SCIENCES 3
Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include descriptive statistics, statistical inference, correlation, T-test, and simple analysis of varience. Yearly. (Same as Psychology 303 and Sociology 303.)

304. LATIN AMERICAN POLITICS **3**
Prerequisite: P.S. 101 or History 341, or consent of instructor. A survey of the governments of Latin America, with special attention given to obstacles to political and economic development, including militarism, authoritarianism, dependence, and land tenure patterns.

305. WESTERN EUROPEAN POLITICS **3**
Prerequisites: P.S. 101 or 102 or History 312 or consent of instructor. Political change and development in selected Western European societies. Comparitive study of national institutions and processes, emphasizing the socio-economic and cultural context of those societies.

306. POLITICAL DEVELOPMENT IN THE THIRD WORLD **3**
Prerequisite: P.S. 101 or consent of instructor. Comparative theories of social change and development in selected countries. Cross-national analysis of parties, military elites, and government structures as they affect political change in the third-world nations.

307. POLITICAL THEORY **3**
A study of classic political thought and its use in modern political analysis. Yearly.

310. U.S. FOREIGN POLICY **3**
Prerequisites: P.S. 102 or 207 or History 312 or consent of instructor. A study of the processes of American foreign policy decision-making and the development of U.S. foreign policy since World War II.

315. POLITICAL ATTITUDES, OPINION, AND COMMUNICATION **3**
Nature, development, formation, and distribution of politically relevant attitudes and opinions; role of leadership, persuasion, and communication in opinion-policy process.

316. POLITICAL PARTIES AND ELECTIONS **3**
Structure and function of party systems, nominations, and campaigns; voting behavior of the electorate.

324. INTERNATIONAL LAW AND ORGANIZATIONS **3**
Prerequisites: P.S. 207 or 310. An analysis of international law and international organizations as regulators of the international political system. Introduces the student to basic concepts of public international law and its application to specific subject areas such as the law of the sea, human rights, and laws of war. Undertakes a comperative study of the process of international integration, including a detailed analysis of global and regional organizations such as the United Nations and the European Economic Community.

330. PUBLIC ADMINISTRATION **3**
The study of the character and functions of the administrative institutions of government. Includes the study of bureaucracy as an institution, the sociology of the large administrative organizations, and relationships of these organizations to the other institutions and functions of government. The internal management of government agencies is also considered. Offered on demand.

335. PRESIDENCY, CONGRESS, AND PUBLIC POLICY **3**
Analysis of the presidency and Congress within the framework of the policy-making process.

340. URBAN POLITICS **3**
Prerequisite: Political Science 210 or 102 or permission of the instructor. Growth of cities and metropolitan areas. Emergence of the urban environment as a focus for public polity. Implications of metropolitan development and functions for the organization of government and politics in the United States. Impact of the metropolis on governmental programs will also be considered. Offered on demand.

350. AMERICAN POLITICAL THOUGHT **3**
An examination of the role of selected political ideas, doctrines and themes in America, emphasizing their development and relationships to diverse political interests.

355. CONSTITUTIONAL LAW AND JUDICIAL BEHAVIOR **3**
An examination of the constitutional and political powers of the courts: analysis of judicial review, constitutional powers of president and Congress, federalism, sources of regulatory authority, constitutional protection of civil rights and liberties, and public policy formulation through judicial decision-making.

395,396. SELECTED TOPICS **3,3**
Prerequisite: Consent of the instructor. A detailed study of the area of political science not normally covered in the regular political science courses. Offered on demand

400. INTERNSHIP IN PUBLIC ADMINISTRATION **1-3**
Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public agencies. May be repeated once for credit. Offered on demand.

421. COMPARATIVE ECONOMIC SYSTEMS **3**
The nature and operations of alternative systems for determining resource allocation and utilization. (Same as Economics 421.)

440. INTERNATIONAL ECONOMICS **3**
International economic institutions and the theory of international trade. (Same as Economics 440.). On demand.

483. SEMINAR IN POLITICAL SCIENCE **3**
Prerequisite: Political science major. The study of historical and political issues and problems in a selected period of history. Members of the class will do extensive reading and research on various aspects of the period selected and will use the research methods best suited to the particular project. Yearly.

491-496. INDEPENDENT STUDY **1-6**
Students taking Political Science Honors are required to eam credit for honors in the course through concentrated study of selected topics. Other students with particular interests outside the regular course offerings of the department may register for directed study with permission of the department. May be repeated for credit with different topics. Yearly.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

MATHEMATICS

(MTH)

Associate Professor Thomas, *Chairman*
Professor: Speairs
Assistant Professors: Danvers, Pizarro
Instructor: Hitchcock

The Department of Mathematics aims to contribute to the student's liberal education by showing the role mathematics has played and is playing in the development of civilization and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering and also to those in the social and behavioral sciences. The mathematics curriculum is so planned that a student majoring in the field may choose any one of a number of avenues to follow after graduation, including the teaching profession, industry, computer mathematics, actuarial work, or a combination of mathematics with other scientific training, as well as graduate work in pure mathematics. A description of the Program in Computer Science follows the course listings below.

High school mathematics through trigonometry is the recommended background for incoming freshman although the admission requirement is less.

MAJOR REQUIREMENTS

B.S.

To receive a B.S. degree a student must complete the following requirements:

1. A total of thirty-five (35) semester hours of mathematics in courses numbered 201 or higher, including MTH 201, MTH 202, MTH 203, MTH 303, MTH 306, MTH 403, MTH 407, and MTH 472.
2. Of these thirty-five hours eleven (11) hours must be in courses numbered 401 or higher.
3. CSC123.

B.A.

To receive a B.A. degree a student must complete the following requirements:

1. A total of twenty-nine (29) semester hours of mathematics in courses numbered 201 or higher, including MTH 201, MTH 202, MTH 203, MTH 303, MTH 306, MTH 407, and MTH 472.
2. Of these twenty-nine hours eight (8) hours must be in courses numbered 401 or higher.
3. CSC123.

MINOR REQUIREMENTS

A minor in mathematics consists of the following courses: MTH 108, MTH 201, MTH 202, MTH 303, MTH 306, and 6 other hours of mathematics, three of which must be at the 400 level while the other three must be at the 200 level or above.

A student may be admitted to the Honors Program of the Mathematics Department if he has attained junior standing and meets the other requirements. For details consult the department chairman.

100. FUNDAMENTALS OF MATHEMATICS **3**

Prerequisite: Consent of instructor. An intensive review of mathematics designed to improve arithmetic and algebraic skills and to prepare students for Mathematics 104, 105, or 107. This course will not count in the 124 hours for graduation. Offered every semester.

103. MATHEMATICS FOR TEACHERS 3
(Open for credit only to elementary education majors.) Topics from number theory, geometry, algebra, and the history of mathematics. Offered yearly.

104. MATHEMATICS AND CIVILIZATION 3
The tracing of several basic mathematical ideas from their elementary origins to their sophisticated recent versions. Two of these are: (1) the geometric nature of space, and (2) the development of man's computional skill.

105. INTRODUCTION TO FINITE MATHEMATICS 3
(Open only to non-science majors.) Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Offered each semester.

107. ELEMENTARY FUNCTIONS 3
A unified study of elementary functions. Algebraic, exponential, logarithmic, and trigonometric functions and their applications. Offered each semester.

108. ANALYTIC GEOMETRY AND CALCULUS I 3
Coordinate systems, straight lines, functions, and graphs. Limits, derivatives of algebraic functions, applications of the derivative. Each semester.

201. ANALYTIC GEOMETRY AND CALCULUS II 3
Prerequisite: Mathematics 108. The definite and the indefinite integral, Derivatives and integrals of exponential, logarithmic, hyperbolic, trigonometric, and inverse trigonometric functions. Techniques in integration, integration by parts. Offered each semester.

202 ANALYTIC GEOMETRY AND CALCULUS III 3
Prerequisite: Mathematics 201. Further application of the calculus. Basic properties of continuous and differential functions. Infinite series. Plane curves and polar coordinates. Offered yearly.

203. LINEAR ALGEBRA 3
Prerequsite: Mathematics 108. Systems of linear equations, vector spaces, linear dependence, bases, dimensions, linear mappings, matrices, determinants, applications.

303. ANALYTIC GEOMETRY AND CALCULUS IV 3
Prerequisite: Mathematics 202. Three-dimensional analytic geometry. Introduction vector analysis. Differential calculus of several variables. Multiple integration. Line and surface integrals. Offered yearly.

304. FOUNDATIONS OF GEOMETRY 3
Prerequisite: Consent of instructor. Advanced Euclidean geometry with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry,and n-dimensional geometry. Altemate years.

305. MATHEMATICAL STATISTICS 3
Prerequisite: Mathematics 201. Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Alternate years.

306. MODERN ALGEBRA 3
Prerequisites: Mathematics 201 and 203, or consent of instructor. Basic properties of groups, rings, fields. Altemate years.

307. DIFFERENTIAL EQUATIONS 3
Prerequisite: Mathematics 303 or concurrent enrollment in MTH 303. Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard methods of their solution. Yearly.

395,396. SELECTED TOPICS 3,3
Prerequisite: Consent of the instructor. A study of an area of mathematics not normally covered in the regular mathematics courses. Offered on demand.

398. COLLOQUIUM, OAK RIDGE SEMESTER 1
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as Biology 398/Chemistry 398/Physics 398.)

399. RESEARCH, OAK RIDGE SEMESTER 1-6
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Physics 399.)

400. INTERNSHIP IN MATHEMATICS 1-3
(For mathematics majors only—not included in the required nine courses for the major.) Credit is given for on-the-job training in certain vocational areas of mathematics.

403. TOPOLOGY 3
Prerequisite: Mathematics 303. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homeomorphism, metric spaces. Spring of alternate years.

404. VECTOR ANALYSIS 3
Prerequisite: Mathematics 303. A basic course in vectors. Topics included vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Yearly.

405. NUMERICAL ANALYSIS 3
Prerequisites: Mathematics 303 and CSC 123 or the equivalent. Selected numerical methods dealing with the solution of algebraic and transcendental equations, finite differences and interpolation, integration, and differential equations. Alternate years.

407. INTRODUCTORY REAL VARIABLE THEORY I 3
Prerequisite: Mathematics 303. Real and complex systems, sets, metric spaces, continuity, and differentiation. Alternate years.

408. INTRODUCTORY REAL VARIABLE THEORY II 3
Prerequisite: Mathematics 407. Riemann-Stieltjes integral, sequences, and series of numbers and functions. Alternate years.

472. SENIOR SEMINAR 2
Senior standing. Reading and research in a current area of mathematics. Each student will be expected to present a lecture and paper on his/her studies. A comprehensive exam will also be required.

491-496. INDEPENDENT STUDY IN MATHEMATICS 1-6
(Open to advanced students in mathematics with departmental approval.) One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

I-99. INTERIM STUDIES 3
Special topics offered in the January Interim

M-99. MODULE STUDIES 3
Special topics offered during the May Module.

COMPUTER SCIENCE PROGRAM

(CSC)

The program in computer science is offered for students with majors in mathematics, business, economics, government, and other fields who are choosing to enter the field of data processing or who wish to continue to study of computer science in graduate school.

In addition to major work and the four courses listed below a student in this program is required to take Business 328, Business 415, and a statistics course from either the mathematics, economics, or psychology department. It is recommended that he take at least the first semester of calculus and Mathematics 203. The courses below, offered for the Computer Science Program, are not included in the required courses for a major in mathematics.

The Department of Mathematics also offers the courses necessary for the student to proceed successfully in the "Three-two" Program in Mathematics/ Computer Science, described elsewhere in this catalogue.

MINOR IN COMPUTER SCIENCE REQUIREMENTS

A minor in computer science consists of the following courses: CSC 124, CSC 224, CSC 234, CSC 244, CSC 302, and CSC 400. Since the background language primarily used in these courses is COBOL the minor is highly recommended for students in business or for students who want to pursue a career in data processing.

101. INTRODUCTION TO COMPUTERS 2
A survey course in computers. The first half of the course will deal with general information on computers, how they work, what they are used for, how they were developed, etc. The second half will be devoted to laboratory time (the class will be divided into three lab sections, each meeting once a week). In lab students will receive instruction on how to use software packages like word processing as well as a brief introduction to programming using the language BASIC. Offered each semester.

123. COMPUTER SYSTEMS **3**
Introduction to computer languages, methods, and operations, with particular emphasis on Fortran IV and its application to a variety of problems using the College computer. Each semester.

124. COMPUTER SYSTEMS—COBOL **3**
An introduction to computer programming in the business-oriented language COBOL. Hands-on experience in writing, running, and debugging programs provided. Applications and problems primarily business-oriented. (Same as Business 124.)

224. ADVANCED COBOL: FILE PROCESSING **3**
Prerequisite: CSC 124. Advanced COBOL application including file structures, file merging, file updating and interactive process.

234. DATA STRUCTURES **3**
Prerequisite: Computer Science 124. The study of different structures for storing and processing data. These structures include stacks, queues, linked lists and trees. Also studied are techniques for sorting and searching. Offered alternate years.

244. ASSEMBLY LANGUAGE PROGRAMMING AND OPERATING SYSTEMS **3**
Prerequisite: CSC 124. Discussion of the fundamentals of computer hardware organization and the elementary characteristics of operating systems. Symbolic coding using assembly language.

302. SYSTEMS ANALYSIS AND DESIGN **3**
Prerequisite: CSC 234 and CSC 224. Systems development life cycle. Top-Down approaches and decision tables. Data collection and analysis. Systems planning and design. File and data base organization. Computer system evaluation and selection.

400. INTERNSHIP IN COMPUTER SCIENCE **1-3**
Prerequisite: Computer Science 123 or 124. Credit is given for on-the-job training in certain vocational areas of computer science.

MILITARY SCIENCE

(MSC)

Professor Villavaso, *Commandant*
Assistant Professor: Hymel
Instructors: Holloway, Jenkins

Recognizing the need for military officers with a good liberal arts education, Centenary College offers its students, male or female, the opportunity to elect courses in Military Science which may lead toward commissions in the National Guard, the U.S. Army Reserve, and the Regular Army. This program comprises selected Military Science courses along with the regular College curriculum designed to enable the student to develop qualities of leadership and management abilities.

Instruction presented by the Department of Military Science is divided into the basic course (first two years) and advanced course (3rd and 4th years.) Students with prior military service, Junior ROTC training, or other ROTC training may apply for placement credit toward fulfillment of the basic course requirements through petition through the dean of the College. The amount of the placement credit granted will be determined on an individual basis by the dean in consulation with the Professor of Military Science.

Military Science credits may be accepted for degree requirements. Military Science 101, 103, 311, 312, 411, 412, a total of six hours, are listed as activity courses. In addition, up to six semester hours of advanced Military Science courses may be applied toward graduation. Thus a total of up to twelve hours may be counted toward graduation. Further information should be obtained from the dean of the College.

THE BASIC COURSE

Enrollment in the basic course is voluntary; that is, no military obligation is assumed on enrollment. The instruction covers common subjects applicable to the Army as a whole. Course work includes Military Science 101, 102, 103, 201, and 202. (For more detailed information on the content of the military courses offered, see the Courses of Instruction section of the Bulletin, under the heading of Military Science.)

ADVANCED COURSE

Enrollment in the advanced course is competitive. Selection is based on completion of the basic course, or its equivalent, academic achievement, Military Science qualifying test scores, and physical condition. The military course work consists of Military Science 301, 302, 401, and 402. During the summer between the two years of the advanced course, the student is required to attend a six weeks' training program at an active Army installation. Satisfactory completion of the advanced camp is a prerequisite to receiving a commission in the United States Army. Any student who does not maintain the standards established for the advanced course members may be dismissed from Military Science at the discretion of the Professor of Military Science.

BASIC COURSE EQUIVALENCY

The Professor of Military Science may grant credit for the basic course to selected individuals and thereby provide them the opportunity to enter directly into the advanced course. Any veteran who meets the requirements for enrollment in the advanced course, because of active service experience, will be evaluated, and advanced placement may be granted on an individual basis. Junior ROTC training will be evaluated and credit for some or all of the basic course may be granted. Any student with the equivalent training in ROTC courses offered by other services will be granted credit for the equivalent courses offered by this department.

TWO-YEAR PROGRAM

The two-year program allows sophomores with no prior military or ROTC experience to enter the advanced course after completion of an ROTC basic camp during the summer semester prior to the junior year. Further information may be obtained from the Office of the Dean.

ALLOWANCES

Each student enrolled in the advanced course is paid a subsistence allowance of $100 per month for each month enrolled, up to a maximum of twenty months. The six-week advanced camp, normally attended in the summer between the junior and senior years, entitles the student to approximately $500, as well as travel expenses to and from the camp. Uniforms and meals are provided at no cost to the student. The pay and allowances for the student attending basic camp as part of the two-year program are equivalent to those of the advanced camp students. All payments for the above items are non-taxable and in no way jeopardize the status of a student utilizing the educational benefits of the GI bill.

SCHOLARSHIPS

Merit scholarships are available on a competitive basis. These scholarships are given on the basis of demonstrated academic ability and leadership potential. Scholarship pay: tuition, textbook costs, incidental educational expenses, and a monetary allowance of $100 a month.

TEXTBOOKS AND EQUIPMENT

Textbooks and equipment are furnished without cost to the student.

MILITARY SCIENCE-BASIC COURSES

101. BASIC MARKMANSHIP 1
Practical application of marksmanship and safety. One hour of lecture/laboratory.

102. BASIC LEADERSHIP 1
Practical application of the principles of leadership and management by objectives. One hour of lecture/laboratory.

103. MILITARY PHYSICAL CONDITIONING 1
The development of individual fitness with an introduction to leadership considerations of establishing a physical conditioning program. Lecture/laboratory.

201. ORIENTEERING 2
Introduction to basic orienteering skills, physical fitness, map reading, terrain association, and cross-country land navigation. Two hours lecture/laboratory.

202. INDIVIDUAL TACTICAL TRAINING 2
Training to include basic skills of the individual soldier, combat techniques, military weaponry, and principles of war. Two hours of lecture/laboratory.

203. ADVANCE RIFLERY/PISTOL MARKSMANSHIP 1
Prerequisite: MSC 101 or consent of instructor. Study and practical excercise of international competitive marksmanship, coaching techniques, and weapons safety. Same as PED 203.

ADVANCED COURSES

301. ADVANCED MILITARY SCIENCE I 3
Theory and practical application of methods of instruction, map and aerial photograph reading, and the Army communications system. Three hours lecture.

311. ADVANCED MILITARY SCIENCE I FIELD STUDY 1
Practical exercises designed to develop squad and platoon drill proficiency, orienteering skills, and physical fitness. One hour field study.

302. ADVANCED MILITARY SCIENCE II 3
Small unit tactics troop leading procedures. Patrolling, offensive and defensive tactics up through company level. Role and origin of branches of the Army. Three hours lecture.

312. ADVANCED MILITARY SCIENCE II FIELD STUDY 1
Practical exercises to conduct small unit offensive and defensive operations, patrolling, operating military communications systems, organizational weaponry and physical fitness. One hour field study.

401. STAFF ORGANIZATION AND FUNCTIONS **3**
Study of military operations emphasizing fundamental command and staff responsibilities. Problem-solving techniques, preparation of plans and field orders, and military tactics and organization. Three hours lecture.

411. STAFF ORGANIZATION AND FUNCTIONS FIELD STUDY **1**
Exercises in practical leadership and Army staff relationships. Focus on development of military managerial skills. One hour field study.

402. PROFESSIONAL DEVELOPMENT **3**
Subject areas designed to prepare the individual for entrance to active duty, including personnel management, unit administration, military law, and national policies and their military implications. Three hours lecture.

412. PROFESSIONAL DEVELOPMENT FIELD STUDY **1**
Practical exercises in leadership, military personnel management, and administration of military justice. One hour field study.

I-99. INTERIM STUDIES **3**
Special topics offered during the January Interim

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

HURLEY SCHOOL OF MUSIC

Professor F. Carroll, *Dean*
Professors: English, Rupert, W. Teague
Associate Professor: Dean
Assistant Professors: Odom, Williford
Instructors: M. Rowell, R. Rowell
Artist-in-Residence: Constance Knox Carroll
Lecturers: Andress, Brandt, P. Cooper, L. Crawford, Hundemer, Savant, Scott, C. Teague

Centenary College offers the B.A. with a major in music and the B.M. with majors in applied music, music education, sacred music, composition, piano pedagogy and string pedagogy. The Hurley School of Music at Centenary College is a full member of the National Association of Schools of Music.

It adheres to the highest musical and academic standards and seeks to prepare students for entry into the world of music as performers, teachers, church musicians, and professionals in related fields.

The School of Music also offers many opportunities for a rounded liberal arts education and provides cultural enrichment to the campus and community.

DEGREE PROGRAMS

Candidates for all degrees in the Hurley School of Music will meet the following requirements:

Piano Proficiency

All music majors will be expected to demonstrate an adequate proficiency in piano. This proficiency test will include sight reading, accompanying, and performing at a reasonable level determined by the School of Music and should take place during the second semester of the sophomore year. Music majors must register for piano until this requirement has been met.

Ensemble

Full-time music majors must participate in an ensemble each semester they are enrolled in a degree program. **Woodwind, brass, and percussion majors must participate in the Wind Ensemble.** Students are expected to accumulate eight hours of ensemble credit, however, no more than eight hours can be applied toward the 124 hours necessary for graduation.

Recital Attendance

Majors will attend all student recital hours. In addition, they will attend a minimum of ten formal concerts and recitals on campus per semester.

BACHELOR OF MUSIC

All music curricula leading to the B.M. degree require the following courses: an applied major (Music 100, 200, 300, 400) or concentration (Music 150, 250, 350, 450), Music 001-002 for each semester as a music major, Music 111-112, 141-142, 211-212, 323, 326, 341-342, 441, and participation in an ensemble. Additionally, majors in the areas listed below must complete the music courses indicated:

Voice Performance—Music 107-108, 214, 442, applied secondary piano, junior and senior recitals.

Piano Performance—Music 214, 309-310, 411, 442, and junior and senior recitals.
Composition—Music 214, 411, 442, junior and seniors recitals, Music 493.
Orchestral Instrument—Music 214, 411, 442, secondary applied piano, junior and senior recitals.
Organ Performance—Music 214, 315-316, 411, 442, secondary applied voice and piano, junior and senior recitals.
Sacred Music (organ)—Music 214, 315-316, 360-361, 460, 442, senior recital.
Sacred Music (voice/choral)—Music 107-108, 214, 360-361, 460, 442, secondary applied piano and organ, senior recital.
Music Education (instrumental)—Music 331, 332, 333, 334, 337, 338, 411, applied secondary piano, and applied electives.
Music Education (vocal)—Music 107-108, 337, 339, applied secondary piano, and applied electives.
Music Education (piano)—Music 335-336, 337-338, applied secondary voice, and applied electives.
Piano Pedagogy—Music 233-234, 214, 309-310, 344, 335-336, 433-434, 442, senior recital.
String Pedagogy—Secondary applied piano, Music 214, 331, 235-236, 435-436, 442, senior recital.

Students pursuing the B.M. degree are also required to complete English 101, 102, 201; General Education 101, 102; Physical Education 103, and one physical activity course for a life-time sport (see p. 50, #10). In addition, they must take 30 semester hours, including one course from Division II and one course from Division III (see p. 50), of non-music courses.

Music Education majors must complete core requirements as well as certification requirements (see pp. 49-51 and 88-89).

Performance majors in organ are required to complete two semesters of a single foreign language. Voice performance majors must complete two semesters each in French and German. Other performance majors, except those in Music Education, must take at least one year of a single foreign language or a foreign literature course in translation.

Bachelor of Arts: Music Major

Areas of concentration are piano, organ, voice, and the orchestral instruments. The candidate must meet the distributive requirements of the College and in addition complete Music 001-002, 150, 250, 350, 450, Music 111-112, 211-212, 141, 142, and six semester hours of music history taken from Music 341, 342, 441, 442.

The successful performance of an approved recital (approximately thirty minutes' duration) is required in addition to the curricular requirements noted above.

Minor In Music

Music 111-112. 141-142, 170, 270. Applied piano or proficiency, six hours of music courses of 300 level or above.

RECITALS

Many of the music curricula require the successful performance of an approved junior and senior recital. Junior recitals are approximately thirty minutes in length and senior recitals, one hour. If a curriculum requires only the senior recital, it should be approximately thirty minutes long.

Music students are expected to perform at least once each semester in the area of their applied major or concentration at the weekly recitals (Music 001-002).

ADMISSION

In addition to meeting the admission requirements of Centenary College, candidates for a music degree must further pass an audition in their major performing medium in order to be admitted to the Hurley School of Music.

Applied Music

Students who meet all admission requirements but fail to meet School of Music standards in Applied Music will be allowed to register for music 170 (Applied Secondary), until they attain minimum applied music standards. Such students will then be admitted to the normal applied music course sequence at a level consistent with their achievement (Music 100, 200, et seq.). Arrangements for audition or submission of a tape should be made prior to registration with the dean of the School of Music.

Examinations in applied music are held at the end of each semester before the appropriate music faculty. At the end of the sophomore year, all music majors will be expected to qualify in the area of their applied music major before a full faculty jury. The recommendation of the jury will determine whether or not these students continue in the applied music course sequence they have elected.

TRANSFER STUDENTS

Transfer students will be required to audition in the area of their applied major or concentration to determine whether or not equivalent standards have been met. Placement examinations in music history and music theory may also be required. Until auditions and examinations have been completed and evaluated, music credit for any transfer student will be provisional.

MUSIC (MUS)

001-002. RECITAL AND READING **0-0**
All music majors are required to register for Recital and Reading every semester in which they are enrolled at Centenary.

107-108. VOICE LABORATORY **2-2**
Survey of pronunciation of Italian, French, German, and English. International phonetic alphabet used. Required for all voice concentrations as part of the applied music major.

111-112. ELEMENTARY MUSIC THEORY **4-4**
An integrated study of theory. Part-writing, keyboard, sight-singing, and ear-training are presented concurrently in order to make the student aware of the relationships between these elements. Small formal units are included. Required for all music majors.

129-130. PIANO CLASS **1-1**
For non-keyboard music majors working to pass the piano proficiency examination and for electives. Two class hours and six practice hours weekly.

139-140. VOICE CLASS **1-1**
Fundamentals of voice production. For non-voice majors and for elective. (Offered for beginning levels only.)

141-142. INTRODUCTION TO MUSIC HISTORY AND LITERATURE **2-2**
An introduction to the principal styles, composers, forms, and media found in the standard repertoire. Required for all music majors.

143-144. MUSIC APPRECIATION **3-3**
A cultural course for the general college student. Survey of the principal musical styles and media. Not for music majors.

211-212. ADVANCED MUSIC THEORY **4-4**
Prerequisites: Music 111-112. A continuation of Music 111-112, with emphasis on modulation, altered chords, larger formal structures, and some contemporary techniques. Required for all music majors.

229-230. PIANO CLASS **1-1**
Continuation of Music 129-130. Piano proficiency examination in the final examination for Music 230. Two class hours, six hours' practice weekly.

233-234. PIANO TEACHING METHODS **2-2**
Survey of piano teaching methods and materials. Mini-workshops presented by students on teaching improvisation, pacing lessons, sight reading skills, Orff, eurhythmics, Dalcroze, etc.

235-236. STRING TEACHING METHODS **2-2**
Survey of string pedagogy with a review of the various methods and approaches to the teaching of strings. Study and analysis of various graded materials. Weekly observation of the Centenary Suzuki School, instruction in private lessons, group lessons, orchestral rehearsals, and theory classes. Prerequisite: must be string pedagogy major or consent of instructor. Mrs. Laura Crawford and Centenary Suzuki School will do the instruction and supervision. Offered annually if enough students are in the program.

309-310. COMPOSITION **1-1**
Prerequisites. Music 211-212. Basic techniques of compositions. Writing in smaller forms. Alternate years.

314. COUNTERPOINT **3**
Prerequisites: Music 211-212 or consent of instructor. A study of 18th-century contrapuntal techniques through composition and analysis.

315-316. ACCOMPANYING AND IMPROVISATION **2-2**
The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms, and modulation. Alternate years.

323. PRINCIPLES OF CONDUCTING **2**
A study of the basic principles of conducting. Familiarity with baton techniques, basic patterns, and elementary score reading.

326. TECHNIQUES OF CONDUCTING **2**
A study of the techniques related to both choral and instrumental conducting. Consideration of the problems involved in conducting a vocal ensemble, a band, an orchestra, and groups with both singers and players.

329. MUSIC EDUCATION **3**
Theory of music and elementary music teaching methods for the general classroom teacher.

335-336. INTERNSHIP IN PIANO TEACHING I **1-1**
Observation and supervised teaching in the piano preparatory department. The teaching of the beginning and first year student. Prerequisite: Music 233-234 or consent of instructor.

337. ELEMENTARY SCHOOL MUSIC METHODS **2**
Prerequisites: Music Theory 211-212. A study of the methods, materials, and problems related specifically to teaching general music classes in the elementary level school (grades K-6). Included also is the study of the philosophy, psychology, history, and contemporary trends in music education. Fall.

338. SECONDARY SCHOOL INSTRUMENTAL MUSIC METHODS **2**
Prerequisites: Music Theory 211-212, Music 337 or permission of instructor. A study of the methods, materials, and problems related specifically to teaching instrumental ensembles (small and large, beginning and advanced) in heterogeneous or homogeneous groups at the secondary school level, including grades 6-12. Part of the emphasis will be on how to assess aptitudes and interests of individuals and groups of students, and to devise learning experiences to meet assessed needs. Spring.

339. SECONDARY SCHOOL VOCAL MUSIC METHODS **2**
Prerequisites: Music Theory 211-212, Music 337 or permission of instructor. A study of the methods, materials, and problems related specifically to teaching vocal ensembles (small and large, beginning and advanced) at the secondary level, including grades 6-12. Part of the emphasis will be on developing evaluative techniques and ability to apply them in assessing both the musical progress of students and the objectives and procedures of the curriculum. Spring.

341. MUSIC HISTORY I **3**
Prerequisites: Music 211-212 or consent of the instructor. A study of music from antiquity through the Renaissance.

342. MUSIC HISTORY II **3**
Prerequisites: Music 211-212 or consent of the instructor. A continuation of Music 341 with a survey of Baroque and Classic styles and literature.

344. PIANO LITERATURE **2**
Survey of the standard repertoire for the piano from Bach to the present. Offered the spring semester of every other year. Prerequisite: piano proficiency or consent of instructor.

351. STRING CLASS I **1**
Study of the principles of string instruments. Violin and viola. Meets once weekly. Offered alternate years.

352. STRING CLASS II 1
Study of the principles of string instruments. Cello and double bass. Meets once weekly. Offered alternate years.

353. WOODWIND CLASS I 1
Study of the principles of woodwind instruments. Flute and clarinet. Meets once weekly. Offered alternate years.

354. WOODWIND CLASS II 1
Study of the principles of woodwind instruments. Oboe and bassoon. Meets once weekly. Offered alternate years.

355. BRASS CLASS I 1
Study of the principles of brass instruments. Trumpet and French horn. Meets once weekly. Offered alternate years.

356. BRASS CLASS II 1
Study of the principles of brass instruments. Trombone, euphonium, and tuba. Meets once weekly. Offered alternate years.

357. PERCUSSION CLASS I 1
Study of the principles of percussion instruments. Snare drum, melodic percussion instruments. Meets once weekly. Offered alternate years.

358. PERCUSSION CLASS II 1
Study of the principles of percussion instruments. Timpani, drum set, auxiliary percussion instruments. Meets once weekly. Offered alternate years.

360. SACRED MUSIC I: LITURGICAL MUSIC AND HYMNOLOGY 3
History of the development of various liturgical forms, the Mass, the Judaic musical heritage, Anglican and Lutheran liturgies. Origins and uses of the great hymns., the ecclesiastical year, and music appropriate to it.

361. SACRED MUSIC II: ORGAN AND CHORAL LITERATURE 3
Study of the various forms of choral and organ literature with detailed study of representative compositions. Organ and choral literature with practical application for the church musician.

395,396. SELECTED TOPICS 3,3
An intensive study of an area not normally covered in the music curricula. Consent of instructor.

411. ORCHESTRATION 3
Scoring and analysis of scores for orchestra and band.

433-434. INTERNSHIP IN PIANO TEACHING II 1-1
Observation and supervised teaching in the piano preparatory department. The teaching of the second year student. Prerequisite: MUS 333-334 or consent of instructor.

435-436. STRING TEACHING INTERNSHIP 2-2
Practical application of Music 235-236. Supervised teaching in the Centenary Suzuki School. Prerequisite: must be string pedagogy major or consent of instructor. Offered annually if enough students are in the program.

441. MUSIC HISTORY III 3
Prerequisites: Music 341-342. This course deals with the history of music from the end of the 18th century to the present.

442. MUSIC HISTORY IV 3
Prerequisite: Music 441 or consent of instructor. Intensive individual studies in 20th-century techniques and literature.

460. SACRED MUSIC III: CHURCH MUSIC MANAGEMENT AND INTERNSHIP 3
The organization and administration of a complete church music program. Rehearsal planning and techniques, graded choir system, the music program and its integration into the total church program, equipment, music library, organ design and placement. Practical application and observation of church music programs in the local area.

471. SENIOR SEMINAR 1
Presentation of a senior recital with a supporting paper directed by the major applied teacher. The paper may deal with such topics as style, history, biography, and theory insofar as they relate to the literature being performed on the recital. The paper will be due at the time of the pre-hearing and copies will be distributed to the rest of the music faculty.

491-496. INDEPENDENT STUDY IN MUSIC 1-6
Prerequisite: Junior or senior status. Open to music majors with junior or senior standing. A special project in analysis, research, or an applied area will be designed by the student and a faculty adviser.

This project will then be submitted to the music faculty for approval. Regular and periodical evaluation will be made by the supervising faculty member and the results of the independent study will be presented in the form of a paper, an original composition, or a public performance. May be repeated for credit with different topics. On demand.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

APPLIED MUSIC: PRIVATE INSTRUCTION

100. APPLIED MAJOR **3-3**
Freshman applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

200. APPLIED MAJOR **3-3**
Sophomore applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

300. APPLIED MAJOR **3-3**
Junior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

400. APPLIED MAJOR **3-3**
Senior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of fifteen hours' practice a week.

150. APPLIED CONCENTRATION **2-2**
Freshman applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

250. APPLIED CONCENTRATION **2-2**
Sophomore applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

350. APPLIED CONCENTRATION **2-2**
Junior applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

450. APPLIED CONCENTRATION **2-2**
Senior applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.

170,270,370,470. APPLIED SECONDARY **1-1**
Half-hour lesson weekly with minimum of seven hours' practice a week. For secondary instrument, voice, or non-major elective. Also may be recommended for entering freshmen who are deficient in their applied area. May be repeated for additional credit.

ENSEMBLES

151. WIND ENSEMBLE **1-1**
The wind ensemble offers training and opportunities for performing works written especially for this medium. Public concerts each semester. Audition required.

152. STAGE BAND **1-1**
Exploration of the literature for the big band. This group plays at all home basketball games and has several public performances. Audition required.

153. CENTENARY CHOIR **1-1**
The Centenary Choir performs a wide variety of choral literature and makes many public performances. By audition only.

154. HURLEY CHAMBER SINGERS **1-1**
This group sings the great choral chamber literature from all periods of music history. Many public performances. Membership by audition.

155. ORCHESTRA **1-1**
The Shreveport Symphony is resident at the Hurley School of Music. Professional positions may be available to advanced players.

156. HURLEY CHAMBER ORCHESTRA **1-1**
School of Music orchestra which plays a full range of chamber literature and accompanies standard choral and concerto literature.

157. OPERA WORKSHOP **1-1**
An operatic workshop which includes training in basic opera repertoire and tradition, coaching, instruction in acting techniques, stage deportment, and preparation for productions leading to public performances. Audition required.

158. SYMPHONY CHORALE **1-1**
The Shreveport Symphony Chorale prepares and performs the major choral works with the Shreveport Symphony.

159. PIANO ACCOMPANYING **1-1**
A study of the art of vocal and instrumental accompanying.

160. CHAMBER ENSEMBLES **1-1**
Ad hoc quartets, quintets, trios, handbells, etc.

The Centenary College Quintet performs in the Rose Garden.

PHILOSOPHY

(PHL)

Professor Cox, *Chairman*
Adjunct Professor: Beaird
Lecturers: Christensen, Pomeroy, Throgmorton

Following the example of Socrates, philosophers have used logic and experience to clarify the meaning of fundamental concepts and presuppositions that govern the different areas of human life, thought, and action. The 100 and 200 level philosophy courses introduce freshmen and sophomores to the work of philosophy in general or in some specialized area of philosophy. The 300 and 400 level philosophy courses involve juniors and seniors — philosophy majors and minors and others — in advanced work in philosophy.

MAJOR REQUIREMENTS

1. Five philosophy courses at 100 or 200 level including one logic course.
2. Five philosophy courses at 300 or 400 level including 309, 310, and 473.
3. Supportive courses: One year of departmentally approved foreign language at 200 level or above; **or** one year of French and one year of German at 100 level.

MINOR REQUIREMENTS

1. At least six philosophy courses including one logic course and 309 and 310.
2. Supportive courses: none.

COURSE OF STUDY IN PRACTICAL ETHICS

1. 109 and 202; either 295 or I-99 in Practical Ethics.
2. 493 in some specialized area of Practical Ethics such as Business Ethics, Legal Ethics, Medical Ethics, Theological Ethics, or Environmental Ethics.

Note: It is possible to combine Course of Study with major or minor.

DEPARTMENTAL HONORS IN PHILOSOPHY

1. Admission to Departmental Honors program.
2. Graduation from Centenary with major in Philosophy.
3. Completion of Senior Honors thesis and six hours of Independent Study on research related to thesis; oral defense of thesis.

101. INTRODUCTORY PROBLEMS IN PHILOSOPHY 3
An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly.

109. PRACTICAL LOGIC 3
A survey of the practical uses of logic in everyday life in reference to such topics as logic and language, informal fallacies, and the general character of deduction and induction. Yearly.

202. ETHICS 3
An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly.

205. PHILOSOPHY OF ART 3
A philosophical study of the creative impulse, the art object, and the aesthetic experience. Yearly.

210. SYMBOLIC LOGIC **3**
An introduction to the basic formal principles and methods of symbolic logic and deductive inference. On demand.

214. HISTORICAL SURVEY OF PHILOSOPHY **3**
A survey of major philosophers and their basic ideas in their historical and cultural setting.

295,296. SPECIAL TOPICS IN PHILOSOPHY **3,3**
The Department is able to offer on demand special topics such as Practical Ethics, Philosophy of Science, Philosophy of Sport, Social Philosophy, and others. Course but not individual topics may be repeated for credit.

303. PHILOSOPHY OF RELIGION **3**
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Religion 303.)

307. PHILOSOPHY OF EASTERN RELIGIONS **3**
A historical study of the fundamental philosophical concept of Near and Far Eastern religions and ethical systems. Alternate years. (Same as Religion 307.)

309. JUNIOR TUTORIAL IN GREEK PHILOSOPHY **3**
An intensive reading course in selected writings of Plato and Aristotle in context of ancient Greek philosophy. Prerequisites: junior status, major or minor in philosophy **or** permission of instructor.

310. JUNIOR TUTORIAL IN MODERN PHILOSOPHY **3**
An intensive reading course in selected writings of Hume, Kant, and Hegel in context of modern philosophy. Prerequisites: junior status; major or minor in philosophy **or** permission of instructor.

400. INTERNSHIP **3**
This course enables student to gain practical experience in planning and conducting an Interim philosophy course or an extracurricular program in philosophy or practical ethics. May not be repeated for credit. Does not count for credit in philosophy major, minor, or Course of Study in Practical Ethics. Prerequisite: junior status; advanced standing in philosophy major, minor, or Course of Study in Practical Ethics.

473. SENIOR SEMINAR IN PHILOSOPHY **3**
This seminar concentrates on perennial issues in philosophy as they are formulated in writings of major contemporary writers. Course includes intensive reading in writings of Dewey, Heidegger, and Wittgenstein **and** a paper of publishable quality. Paper is to be presented and defended orally. Prerequisites: senior status, major or minor in philosophy, or permission of instructor.

483. SEMINARS **3**
Prerequisite: Permission of instructor. Group study of historical topics or of problems, as determined by student interest and need. Study based on student discussion and papers. Offered yearly, or upon demand.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Permission of instructor. Independent research and writing on a problem of student's choosing with approval and under direction of instructor. Offered yearly, or upon demand.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULES IN PHILOSOPHY **3**
Special topics offered during the May Module.

PHYSICS AND ENGINEERING

Professor Trahan, *Chairman*
Professor: White
Associate Professor: Smith
Professor Emeritus: Parker
Lecturer: Gray

The physics curriculum is made up of introductory courses designed to familiarize the non-science major with the fundamental concepts of physics and astronomy; courses designed to give the science major a firm grasp of the principles of classical and modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The freshman who plans to major in physics should have a high school background in mathematics through trigonometry. In the absence of such preparation, he is strongly advised to take Mathematics 107 or an equivalent course during the summer session prior to the fall semester of his freshman year.

MAJOR REQUIREMENTS FOR THE B.A. IN PHYSICS:

1. Thirty semester hours in Physics courses including 104, 114, 105, 115, 204, 214, 301-302, 311, 321, 323 ,413, a choice of Physics 306 or Engineering 322, and 471. Engineering 3-2 students are not required to take Physics 471 and may graduate with a total of 29 hours in Physics.
2. Supportive courses as follows:
   Mathematics 108, 201, 202, 303, and 307.
   Two courses in one of the related fields of chemistry, biology, astronomy, or engineering.

MAJOR REQUIREMENTS FOR THE B.S. IN PHYSICS:

1. Forty-three semester hours in Physics courses including 104, 114, 105, 115, 204, 214, 301-302, 306, 307, 311, 312, 321, 323, 413, 414, 424, and 471.
2. Supportive courses as follows:
   Mathematics 108, 201, 202, 303, and 307.
   Chemistry 101, 111, and 102, 112.

MINOR REQUIREMENTS:

Eighteen hours of physics, six of which must be at the 300 level or above.

PHYSICS (PHY)

001-002. PHYSICS PROBLEMS I-II **0**
A supplement to the required work of Physics 104, 105, providing additional practice in setting up and solving problems within the scope of these courses.

101. CONCEPTUAL PHYSICS **2**
A non-mathematical physics course for non-science majors which emphasizes the ideas of physics by examining the phenomena of our everyday environment.

104. PHYSICS I **3**
Prerequisite: Math 108. The principles and classic experiments of mechanics and thermophysics. Kinematics and elementary dynamics of point masses and rigid bodies. Kinetic theory; first and second laws of thermodynamics; heat conduction. Offered in spring.

105. PHYSICS II **3**

Prerequisites: 104 and Math 201 previously or concurrently. Theory and classic experiments of electricity, magnetism, and optics. Geometrical and physical optics, fields of potentials, dielectric materials, DC and AC circuits.

111. CONCEPTUAL PHYSICS LABORATORY **1**

Corequisite: enrollment in Physics 101. A physics laboratory for non-science majors to accompany Physics 101. Experiments in mechanics, fluid mechanics, heat, wave motion, light, sound electric and magnetic fields, and electricity.

114. PHYSICS LABORATORY I **1**

Prerequisite: 104 or concurrent enrollment therein. Introduction to laboratory techniques including experimental procedures, experiment evaluation, methods of data reduction and reporting of results; experiments taken from the area of mechanics.

115. PHYSICS LABORATORY II **1**

Prerequisites: 114 and either 105 or concurrent enrollment therein. A continuation of Physics 114 with experiments taken from the area of optics, thermophysics, electricity and magnetism.

204. MODERN PHYSICS **3**

Prerequisites: Physics 105 and 115 and concurrent enrollment in Physics 214. An introduction to relativity, statistical mechanics, quantum phenomena, nuclear physics, and elementary particles.

214. MODERN PHYSICS LABORATORY **1**

Prerequisite: Concurrent enrollment in Physics 204. Laboratory exercises related to topics discussed in Physics 204.

301-302. PHYSICS LABORATORY **1-1**

Prerequisite: 204. Advanced experimental techniques in physics. Design and construction of apparatus, including use of the machine shop. Electronic techniques and precision instrumentation. Experiments are selected in consultation with the instructor, and may include topics in mechanics, thermophysics, electricity, magnetism, optics, or modern physics. Three hours of laboratory weekly.

306. LIGHT AND OPTICS **3**

Prerequisites: Physics 105, MTH 303, 307. A general treatment of the principles of geometrical and physical optics including optical instruments, interference, diffraction, absorption, scattering, dispersing, and polarization.

307. ELECTRONICS FOR SCIENTISTS **$**

Prerequisite: 105. Principles and applications of solid state electronics, with emphasis upon laboratory instrumentation, limitations of electronic devices, and the practical aspects of instrumentation systems. Electrical measurements, power supplies, amplifiers, oscillators, operational amplifiers, logical and digital circuits. Three hours of lecture and three hours of laboratory per week.

311. INTERMEDIATE MECHANICS **3**

Prerequisites: Physics 104 and Mathematics 307. A vector treatment of mechanics. Forces and moments, statics, particle kinematics and dynamics. Work, kinetic and potential energy, impulse and momentum. Orbits of a particle in a central force field. (Same as Engineering 311.)

312. DYNAMICS **3**

Prerequisite: 311. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes, mechanics of continuous media. Yearly. (Same as Engineering 312.)

321. THERMODYNAMICS **3**

Prerequisites: Physics 105 and Mathematics 303, 307. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures and solutions. (Same as Engineering 321.)

323. MATHEMATICAL METHODS OF PHYSICS AND ENGINEERING **3**

Prerequisites: Physics 105 and Mathematics 303 and 307. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on applications rather than theory. Topics include solutions of differential equations, Laplace transforms, vector analysis, Fourier series, an introduction to methods of solving partial differential equations (Same as Engineering 323.)

398. COLLOQUIUM, OAK RIDGE SEMESTER **1**

Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff of Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as Biology 398/Chemistry 398/Math 398.)

399. RESEARCH, OAK RIDGE SEMESTER **1-6**

Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research

performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Math 399.)

413S. ELECTRICITY AND MAGNETISM I **3**
Prerequisite: Physics 105 and either Physics 323 or Math 404. A field treatment of electricity and magnetism, electrostatic fields and potentials, dielectrics, magnetic fields, electromagnetic induction, magnetic materials, energy in static electric and magnetic fields.

414. ELECTRICITY AND MAGNETISM II **3**
Prerequisite: Physics 413. An advanced treatment of electric and magnetic fields based on Maxwell's equations, introduction to theories of dielectric and magnetic materials, static boundary value problems. Electromagnetic waves, wave guides, and other boundary value problems.

424. ADVANCED MODERN PHYSICS **3**
Prerequisites: 204 and 323. An advanced treatment of selected principles of modern physics illustrating their importance in understanding the observed behavior of matter. Topics vary from year to year, and may include relativity, quantum mechanics, the solid state, and atomic and nuclear physics.

471. SENIOR SEMINAR **1**
Presentation and discussion of research performed by the individual student or reported in the current literature.

491-496. INDEPENDENT STUDY **1-6**
Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the department. Either a theoretical or an experimental subject may be selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester. May be repeated for credit.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

ENGINEERING (EGR)

The Department of Physics and Engineering offers the basic courses necessary for the student to proceed successfully in the Combined Plan ("3-2") professional programs described elsewhere in this catalogue. These courses provide the fundamentals scientific fields and professional engineering skills essential to the application of engineering principles in modern technology. Engineering 3-2 students are exempted from the senior seminar and are only required to take one interim. Those interested in the Combined Plan B.A.-B.S. programs should consult Dr. White.

101. ENGINEERING DRAWING **2**
Instruction in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions. Offered on demand.

103. ENGINEERING ORIENTATION & PROBLEMS **2**
An introduction to the various engineering disciplines. An accounting of each discipline's principal areas of responsibility is presented. The course also presents numerical problems usually encountered in introductory engineering analysis. Yearly.

119. ARCHITECTURAL GRAPHICS **2**
A basic course in architectural drawing. Instruction in the fundamentals of architectural drawing, freehand sketching, lettering, design of simple objects, floor plans, and tracing of drawings.

120. ARCHITECTURAL GRAPHICS **2**
Prerequisite: Architectural Graphics 119. A continuation of course 119, with additional study of symmetry, design, and formation of a complete set of plans for a home or small business building. Time will be devoted to materials lists, blueprinting, and cost estimates.

142. MAP DRAFTING AND PLANE TABLE MAPPING **2**
Instruction in map construction projections, reproduction, aerial photographs, composition, contours, ownership maps, plotting and sketching, types of maps and their uses. Plane table mapping. Plane table mapping in the field.

201-202 ADVANCED ENGINEERING DRAWING **2-2**
Prerequisite: 103 or 251. Instruction in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machine and scientific devices. Offered on demand.

224. PETROLEUM ENGINEERING **3**
Prerequisites: Geology 101 and 102 or the equivalent. A course devoted to the principles of fossil fuel well drilling and well completion. Topics to be covered in the course include: petroleum exploration methods, cable tool drilling, rotary drilling methods and equipment, physical properties of rotary drilling fluids, rotary drilling hydraulics, drill stem testing, well cementing and casing practices, and well completion. Yearly.

251. DESCRIPTIVE GEOMETRY **3**
Prerequisite: 103. A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows, and graphic solution. Spring.

259. PLANE SURVEYING **3**
Prerequisite: Mathematics 107 or 108, previously or concurrently. Plane surveying. Use and care of field equipment used in surveying. Area computations, errors of measurement, and their correction. On demand.

311. INTERMEDIATE MECHANICS **3**
Prerequisites: Physics 104 and Mathematics 307. A vector treatment of mechanics. Forces and moments, statics, and particle kinematics and dynamics. Work, kinetic and potential energy, impulse, and momentum. Orbits of a particle in a central force field. Yearly. (Same as Physics 311.)

312. DYNAMCS **3**
Prerequisite: Engineering 311. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes, mechanics of continuous media. Yearly. (Same as Physics 312.)

320. INTRODUCTION TO MATERIAL SCIENCE **3**
Prerequisite: One year of introductory chemistry. A study of properties and behavior of materials based upon their cellular structure. Study is made of metals and their alloys, including their mechanical properties, and corrosion. The course includes study of ceramic basic (brick, concrete, etc.) structure and their application. The study of plastic material is included. The study of electrical and magnetic properties of material concludes the course. Yearly.

321. THERMODYNAMICS **3**
Prerequisites: Physics 105 and Mathematics 303 and 307. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures, and solutions. (Same as Physics 321.) Yearly.

322. MECHANICS OF SOLIDS **3**
Prerequisite: Engineering 311. A study of the intemal behavior of solids when subjected to extemally applied forces and torques. Topics include: stress, strain, and Hooke's Law, analysis of statically determinate and statically indeterminate beams and structures, torsion, beam deflections, combined stress, and column analysis. Yearly.

323. MATHEMATICAL METHODS OF PHYSICS AND ENGINEERING **3**
Prerequisites: Physics 105 and Mathematics, 303 and 307. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on applications rather than theory. Topics include solutions of differential equations, vector analysis, Laplace transforms, Fourier series, an introduction to methods of solving partial differential equations. (Same as Physics 323.)

491-496. INDEPENDENT STUDY IN ENGINEERING **1-6**
Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the department. Either a theoretical or an experimental subject may be selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

ASTRONOMY (AST)

101. GENERAL ASTRONOMY **3**

A non-mathematical introduction to the concepts of modem astronomy. A study of the earth as a body in space and its relation to the remainder of the solar system and galaxy. Constellations, planets, stars, galaxies, star clusters, black holes, quasars, and other astronomical objects. Planetarium and observatory facilities available in the Shreveport area are used. Altemate years.

111. GENERAL ASTRONOMY LABORATORY **1**

Prerequisite: Astronomy 101 previously or concurrently. Development of skills in evaluating astronomical data. When weather permits, laboratories will be held out-of-doors to observe constellations, planets, meteors, etc.

PSYCHOLOGY

(PSY)

Professor Bettinger, *Chairman*
Professors: Dulle, Gwin

The Department is oriented toward the discipline of psychology as a scientific field of study while still recognizing the application of psychology to broad humanistic concerns. The courses in psychology focus, accordingly, on problems in understanding, prediction, and control of behavior. The courses are designed to provide students with a broad base in the methodology and fundamental concepts in psychology in order to (1) prepare students for graduate studies, (2) prepare students for professions in which principles of psychology can contribute in significant ways, and (3) provide resources for those who wish to study psychology simply as a means of enriching their lives.

MAJOR REQUIREMENTS

For the Bachelor of Arts in Psychology, a major must complete:

1. Thirty (30) hours in psychology, including 101 (General Psychology); 211 (Human Growth and Development); 214 (Introduction to Research Methodology) or 303 (Statistics for Behavioral Science); 325 (Learning) or 324 (Experimental Psychology); 421 (Abnormal Psychology) or 422 (Theories of Personality).
2. Supportive courses: A departmentally approved single foreign language through the elementary level.

Students considering psychology as a vocation should be prepared to continue their education in psychology at the graduate level.

MINOR REQUIREMENTS

To minor in psychology, a student must complete eighteen (18) hours in psychology approved by a member of the Psychology Department. At least six (6) hours must be in courses above the 300 level.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details, consult the department chairman.

101. GENERAL PSYCHOLOGY 3
Introduces the study of behavior in the areas of heredity, learning, motivation, personality, and behavior modification. Each semester.

206. COMPUTERS FOR THE BEHAVIORAL SCIENCES 3
A literacy course for majors in psychology and sociology who have had little or no previous experience with computers. Topics include history and societal implications of computers, commercial software having social science applications, and beginning programming in Basic. Student will employ a micro computer to solve a problem in their major field. (same as Sociology 206.)

211. HUMAN GROWTH AND DEVELOPMENT 3
A study of the aspects of human behavior that change from conception through adulthood and the processes that account for the changes. A review of the major theories set forth to explain different aspects of human development is included.

214. INTRODUCTION TO RESEARCH METHODOLOGY 3
The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. (Same as Political Science 214, Sociology 214.)

221. THE EXCEPTIONAL CHILD 3
Emphasis on the processes which contribute to personality. Study of gifted, retarded, emotionally

disturbed children, leaming disabilities, hard-of-hearing, visually handicapped, culturally deprived, and other disabilities that require special services. Yearly.

303. STATISTICS FOR BEHAVIORAL SCIENCE **3**
Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as Sociology 303 and Political Science, 303.)

305. SOCIAL PSYCHOLOGY **3**
Prerequisite: Psychology 101 or Sociology 101. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Yearly. (Same as Sociology 305.)

311. PHYSIOLOGICAL PSYCHOLOGY **3**
A study of the physiological correlates of behavior. Emphasis on basic neuroanatomy, motor systems, sensory systems, sleep, attention, motivation, emotion, and physiological contributions to leaming theory. Biology 101-102 strongly recommended. Yearly. (Same as Biology 311.)

312. INTRODUCTION TO PSYCHOLOGICAL TESTS **3**
Prerequisite: Psychology 214. A study of the theories underlying psychological tests and scales, and of the interpretation and use of the data which they yield. Yearly.

324. EXPERIMENTAL PSYCHOLOGY **3**
Prerequisite: Psychology 214 (must be taken concurrently.) The student designs, conducts, and analyzes psychological experiments. The emphasis on methodology employed in studying perception, motivation, and leaming. Each semester.

325. EARNING—PRINCIPLES AND APPLICATIONS **3**
Prerequisite: Psychology 101. An examination of current leaming theories, experimental findings, and their applications. Techniques of behavioral modification are demonstrated. Yearly.

395,396. SELECTED TOPICS IN PSYCHOLOGY **3,3**
Study of an area of psychology not covered in current offerings. Admission is by consent of instructor. No more than nine hours of Selected Topics will be counted toward the Psychology major. Offered as needed.

400. INTERNSHIP IN PSYCHOLOGY **3**
Prerequisite: Junior or senior standing. Designed to compliment the student's theoretical understanding of psychology by providing the student with practical experience in a public or private setting. May be repeated once for credit in another area. Consent of instructor necessary before registering.

411W. HISTORY AND SYSTEMS OF PSYCHOLOGY **3**
Prerequisite: Psychology 101 or permission of the instructor. A study of some of the important approaches to the study of psychology, both historical and contemporary. Yearly.

421. ABNORMAL PSYCHOLOGY **3**
Prerequsite: Psychology 101 or permission of the instructor. A study of the major syndromes of behavioral disorders. Yearly.

422. THEORIES OF PERSONALITY **3**
Prerequisite: Psychology 101 or permission of the instructor. A study of selected research and theories in the field of personality. Yearly.

471. SENIOR SEMINAR **1**
Senior standing. The student will present a major paper or take a comprehensive exam to integrate his or her course work in psychology.

483S. SEMINAR IN PSYCHOLOGY **3**
Prerequisite: Junior or senior standing. This course focuses on topics of current or historical interest in psychology. The student will be required to make a number of oral presentations to the class.

491-496. INDEPENDENT STUDY **1-6**
Students taking Psychology Honors may eam credit with honors in this course through research, projects, or concentrated study of selected topics. Other students may pursue independent study and/or research for directed study in areas not satisfied in the regularly listed courses. The course may be repeated for credit with different topics. Approval of the department required.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

RELIGION

(REL)

Professor Pomeroy, *Chairman*
Associate Professors: Emler, R. Taylor
Lecturers: Lefkowitz, Scott, Stone

The Department of Religion attempts to lead student in serious philosophical and theological consideration of the question of humanity's origin, destiny, meaning, and purpose. The basic assumption of the courses is that these questions are best dealt with in the Jewish-Christian history and writings.

MAJOR REQUIREMENTS FOR THE B.A. IN RELIGION

1. Thirty semester hours in Religion courses including 101, 102, 307, 311 or 312, and 402.
2. Supportive courses as follows:
   3 hours in sociology
   Psychology 101 or 211
   Art 101
   Philosophy, 3 hours from among 202, 214 or 303
   A single foreign language through the elementary level
   2 courses in English above the freshman level
3. No more than six semester hours of Christian education courses may be counted toward the fulfillment of the 30-hour requirement in religion.

MAJOR REQUIREMENTS FOR THE B.A. IN CHRISTIAN EDUCATION

1. Fifteen semester hours in Religion courses, including 101, 102, 307, 311, or 312, and 402.
2. Fifteen semester hours in Christian Education courses including 251, 350, and 450 and 2 courses from among 355, 359, and 366.
3. Six more hours to be elected from among religion or Christian education courses.
4. Supportive course as follows:
   Psychology 211
   Sociology 202
   One additional course in psychology or sociology at the 300 level or above.
   Philosophy, 3 hours from among 107, 201, 202, or 303.

Specific guidance in areas of concentration in age levels (children, youth, adult) will be given by the student's advisor.

Persons graduating with a Bachelor's degree with a major in Christian Education will have fulfilled two (2) of the four (4) certification studies for Associate in Christian Education in the United Methodist Church. (Division of Diaconal Ministry, UMC.)

RELIGION MINOR

Religion 307 Philosophy of Eastern Religions
Religion 311 or 312 Theology of New Testament Writers
Religion 350 Religious and Moral Development
Religion 402 History of Christian Thought
and six hours electives above 200 level in the religion area. (No other Christian Education courses except 350 may count toward a religion minor.)

CHRISTIAN EDUCATION MINOR

Religion 251 Introduction to Christian Education
Religion 307 Philosophy of Eastern Religions
Religion 311 or 312 Theology of New Testament Writers
Religion 350 Moral and Religious Development

Religion 450 Christian Education in the Local Church
and one age level course from among 355, 359, and 366

TRANSFER WORK

Students proposing to transfer lower-level religion courses to Centenary should consult with the department chairman in order to determine if these courses have prepared them to enter upper-level course work in the department.

PRE-THEOLOGICAL CURRICULUM

Entrance requirements of seminaries and graduate schools of theology must be met with courses in addition to the requirements of the major and distributive requirements. Therefore, students who plan such graduate or professional study should consult with a member of the Department of Religion before enrolling for work beyond the first semester of the freshman year.

101. OLD TESTAMENT SURVEY **3**
Students are offered a developmental approach to the literature of the Old Testament, utilizing the tools and insights of historical scholarship. The Old Testament is viewed as the faith expression of the Israelite community as it asks and answers in varied ways, issues of life's meaning. The religious perspective of the class is not confessional and prescriptive but analytical and descriptive.

102. NEW TESTAMENT SURVEY **3**
Students are offered a developmental approach to the literature of the New Testament, utilizing the tools and insights of historical scholarship. The New Testament is viewed as the faith expression of the earliest Christian community. The religious perspective of the class is not confessional and prescriptive, but analytical and descriptive.

105. UNDERSTANDING RELIGION **3**
An introductory survey that helps students become aware of the varied expressions of religion in our world, of how religion functions in persons and cultures, of some of the other major concepts and symbols of various historic religions, and of the interrelationships between religion and other areas of human life. May not be used to satisfy major requirements. Yearly.

203. HISTORY AND DOCTRINES OF METHODISM **3**
A study of the movement which affected the social and religious life of 18th-century England and which influenced the cultural, religious, and political development of America. Primary sources are the works of John Wesley, and secondary sources are recent interpretive biographies and histories of Methodism.

205, 206. STUDIES IN JUDAISM **3,3**
A study of Judaism as one of the major religious traditions of the West. The historical as well as the contemporary perspectives on Jewish literature, religious symbols, and lifestyles will be explored. Co-sponsored by the Jewish Chautauqua Society and Centenary College.

209. THE CONTEMPORARY CHURCH **3**
A study of the meaning, problems, and expressions of the Church in contemporary culture. Alternate years.

300W. PRACTICUM IN THEOLOGICAL INTEGRATION (JUNIOR) **1**
Prerequisites: Religion 101 and 102 and consent of instructor. A theological practicum dealing with the integration of field placement, theological formation, personality formation. Offered each semester on a Pass/D/Fail basis only. May be elected for up to 4 semester hours if 401 is not taken for 2 hours. May not be counted on the major requirement.

301W. HISTORY OF THE CHRISTIAN CHURCH TO 1450 **3**
Introduces the student to significant institutional developments, important individual, and theological trends in the church from its beginning to the end of the Middle Ages. Every other fall. (Same as History 301.)

302W. HISTORY OF THE CHRISTIAN CHURCH SINCE 1450 **3**
Study of Christianity in the modern era against the background of political and social change. Every other spring. (Same as History 302.)

303. PHILOSOPHY OF RELIGION **3**
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Philosophy 303.)

305. PROPHETS OF ISRAEL **3**
A study of the prophetic movement and its historical background in Israel from the time of Moses until its close with the book of Jonah. Alternate years.

307W. PHILOSOPHY OF EASTERN RELIGIONS **3**
A historical study of the fundamental philosophical concepts and ethical systems of Near and Far Eastern religions. Yearly. (Same as Philosophy 307.)

308. SOCIOLOGY OF RELIGION **3**
An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the United States. Alternate years. (Same as Sociology 308.)

311, 312W. THEOLOGY OF NEW TESTAMENT WRITERS **3,3**
Directs students in research and study to discover the theology of the earliest Christian writers as reflected in the literature of the New Testament. Form criticism and redaction criticism are used. Included in the first semester are the Synoptic Gospels and Acts. The second semester concentrates on the writings of Paul and John. Alternate years.

317W. RENAISSANCE EUROPE 1300-1520 **3**
A study of the important political, economic, religious, social and cultural changes and developments. Every other fall. (Same as History 317.)

318W. THE REFORMATION ERA 1500-1650 **3**
A general view of sixteenth and early seventeenth century European history with special emphasis on the Protestant and Catholic Reformations and the Wars of Religion. Every other spring. (Same as History 318.)

395S, W, 396S, W. SELECTED TOPICS IN RELIGION **3,3**
A detailed study of an area in religion not normally covered in regular religion courses. To be taught on demand. Admission by consent of instructor. Individual topics may not be repeated for credit.

400. PRACTICUM IN THEOLOGICAL INTEGRATION (SENIOR) **1**
Prerequisites: Religion 101 and 102 and consent of instructor. A theological practicum dealing with the integration of field placement, theological formation, personality formation. Offered each semester on a Pass/D/Fail basis only. May be elected for up to 4 semester hours if 401 is not taken for 2 hours. May not be counted on the major requirement.

402S. HISTORY OF CHRISTIAN THOUGHT **3**
Prerequisites: Religion 101 and 102 or consent of instructor. A study of the development of Christian thinking in various periods of the Church's history. Selections from Augustine, Aquinas, Luther, Calvin, Wesley, Schleiermacher, Kierkegaard, Barth, Tillich, and others will be utilized.

404. WISDOM LITERATURE **3**
Prerequisites: Religion 101 or consent of instructor. A study of the social, political, economic, and theological development of scribalism and wisdom in the ancient Near East. Exegesis will include canonical and deutero-canonical materials. The relationships of wisdom to other genres and social movements will be explored. Yearly.

407. TWENTIETH-CENTURY THEOLOGIES **3**
Prerequisite: Consent of instructor. A study of the major themes of theology since 1900 with concentration in a few significant theologians of that period. Yearly.

471. SENIOR SEMINAR IN RELIGION **1**
A synoptic review and evaluation of major areas within the student's major involving a comprehensive exam. Prerequisite: major in the department. Yearly.

483R. SEMINAR IN RELIGION **3**
Prerequisites: 101 and 102 or consent of instructor. An examination of major areas of scholarship in the field of religious studies. Up to six hours credit in separate topics.

491-496. INDEPENDENT STUDY IN RELIGION **1-6**
Open to junior and senior students with the consent of the instructor and the chairman of the department. Weekly conference with instructor. The major portion of the study is composed of library and research work. A written thesis is required. Offered each semester or upon request.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

Christian Education
(REL)

001, 002. CHURCH CAREERS COLLOQUIUM **0**

251. INTRODUCTION TO CHRISTIAN EDUCATION **3**
The historical and theological foundations of Christian education.

350. RELIGIOUS AND MORAL DEVELOPMENT **3**
Prerequisite: Psychology 211. A study of the religious and moral growth stages of the human personality from infancy through older adulthood. Utilizes the work of Piaget, Erikson, Flowler, Kohlberg, et al. Yearly.

355S. CHILDREN'S MINISTRY **3**
Prerequisite: Psychology 211 and consent of instructor. Developing children's ministries in the local church. Consideration of various church education structures such as vacation church school and camping. Observation and participation in children's groups.

359-360. YOUTH MINISTRY **3-3**
Prerequisite: Psycholgy 211. Understanding youth and their culture in relation to the religious life. Developing youth ministries in the local church. Observation and participation in youth groups. Yearly.

366S. ADULT MINISTRY **3**
Prerequisite: Psychology 211 and consent of instructor. Developing models for adult ministries in the local church. Observation and participation in adult groups.

391. AUDIO-VISUALS IN CHRISTIAN EDUCATION **3**
A study of the use of audiovisual equipment and the preparation of a variety of audio and visual materials for the classroom. To be taught in summer school. (Crosslisted with Education 395A in summer school.)

392. RELIGION STUDIES IN PUBLIC EDUCATION **3**
Comprehensive non-sectarian approach training for teachers and administrators in elementary and secondary public education. A study of a variety of ways religious studies can be legally presented in public education. Offered in the summer. (Crosslisted with Educ. 596F.)

401. INTERNSHIP IN CHRISTIAN EDUCATION **1**
Prerequisite:. Enrollment in Religion 350 and one of the age level ministries during the junior year. Supervised intemship in the local church. May be elected for up to 2 semester hours. Offered each semester on a Pass/D/Fail basis only. May not count on the major requirement.

450S. CHRISTIAN EDUCATION IN THE LOCAL CHURCH **3**
Organization and programs of Christian education in the local church. Study and use of the curricular materials. Theories of leadership discovery and development and family life programs. Yearly.

471. SENIOR SEMINAR IN CHRISTIAN EDUCATION **1**
A synoptic review and evaluation of major areas within the student's major involving a comprehensive exam. Prerequisite: major in the department. Yearly.

483C. SEMINAR IN CHRISTIAN EDUCATION **3**
Prerequsite: Religion 251. Several topics not ordinarily covered in other courses. Especially related to resources for Christian education such as contemporary film, drama, literature, etc. Open to juniors with departmental approval. ("S" and "W" course.)

SACRED MUSIC

Students who intend to pursue professional education for a position in a local church as choirmaster or choral director should pursue the Bachelor of Music (B.M.) degree with a major in Sacred Music. Specifics regarding this major are included in another section of this catalogue under the School of Music.

Most students pursuing church-related vocations are enrolled in the Church Careers Program, which is a part of the Department of Religion. For additional information see pages 138-141 of the catalogue.

SOCIOLOGY

(SOC)

Professor Vetter, *Chairman*
Assistant Professor: Throgmorton
Lecturer: Heacock

Sociology is the systematic study of human beings, human groups, and humanly constructed institutions and organizations. Sociologists strive to understand how humans interact with one another to create the lasting institutions and organizations that link generations in civilization. In addition, sociologists devote serious attention to the manner in which those institutions and organizations influence human interaction.

Students of sociology acquire facility in the development of social thought, the research techniques used to explain the way the social world works, and applications of sociological knowledge to solve social problems. Majoring in sociology prepares students for (1) competent research and study in graduate programs, (2) admission to graduate study in professional degree and certification programs, such as social work, law, counseling, clinical sociology, clinically-oriented styles of ministry, occupational therapy, law enforcement, and other service-oriented professions, (3) bachelor-level practice in a variety of socially-oriented helping professions including social work counseling, religious work, certain adjunct therapies and juvenile and adult corrections, and (4) skillful and innovative performance in private business enterprise and public service.

Students with at least a 3.0 cumulative GPA and 10 or more hours in sociology with a 3.0 GPA are eligible for membership in Eta Chapter, Alpha Kappa Delta International Sociology Honor Society.

This department has a decidedly applied service orientation. Students are provided with a solid grounding in the various liberal arts and in the social scientific approach to understanding the world. They are encouraged and guided to use their knowledge and expertise to make the world a better place for all.

MAJOR REQUIREMENTS

All candidates for the B.A. degree in Sociology must complete:

1. At least thirty (30) semester hours in Sociology including 101, 214, 401, and 402.
2. Of these hours twelve (12) must be from courses numbered 300 or above.
3. All Sociology majors are required to take one semester of Internship.

Majors who have no desire to pursue a career in a helping profession or seek a graduate degree should complete Sociology 112, 211, and 309.

Majors planning graduate study in sociology should take Sociology 303, 415 and approved computer science courses.

MINOR REQUIREMENTS

1. Sociology 101, 401, and 402.
2. Three (3) additional Sociology courses of the student's choice in consultation with the student's adviser.
3. Internship is not required of a minor but is recommended.

DEPARTMENT HONORS IN SOCIOLOGY

1. Sociology Major
2. Senior Standing
3. 2 Semesters of Study and Research
4. GPA of 3.0 or better in all course work and in Sociology course work.

Students participating in the Honors Program will engage in extensive study in original research under the guidance of the Sociology faculty. An oral and written presentation of research findings will be required.

NOTE: *Students registering for advanced courses in the department should present proof of adequate background in social science theory and practice appropriate to the level of the course. Students are not permitted to register for Sociology 493 before consulting the department.*

101. INTRODUCTORY SOCIOLOGY **3**
A general survey of the development of sociology as an explanatory discipline with emphasis on the progressive theoretical foundations of the discipline. Subjects such as the interactions between individuals and society, the nature of social groups, and patterns of organization are discussed in the context of increasing sophistication of theory and method. Each semester.

112. SOCIAL PROBLEMS **3**
Application of sociological theory and research to selected contemporary social problems. Emphasis is placed on the structural and interactional nature of social issues and personal troubles in an effort to define and interpret pertinent social problems. Annually.

202. MARRIAGE AND FAMILY **3**
A sociological analysis of marriage and family behavior within contemporary American society. A study of the interactional aspects of marriage and family with major emphasis upon the American middle-class. Yearly.

206. COMPUTERS FOR BEHAVIORAL SCIENCES **3**
(Same as Psychology 206.)

211. THE SOCIOLOGY OF ORGANIZATIONS **3**
The study of structure and process in large-scale organizations. Examines bureaucracy and related types of organization as well as interrelationships of formal and informal organizations. Each semester.

212. SOCIAL DEVIANCE **3**
A structural approach to systematic non-conforming group behavior covering social change, subcultural-cultural conflict, labeling theory, anomie-alienation, social control. Yearly.

214. INTRODUCTION TO RESEARCH METHODOLOGY **3**
The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. May not be used to fulfill distributive requirements. (Same as Political Science 214, Psychology 214.)

221. CULTURAL ANTHROPOLOGY **3**
Prerequisite: Sociology 101. A study of modern theories of cultural anthropology, methods of research, and a comparative study of diverse systems of social organization.

231. INTRODUCTION TO SOCIAL WORK **3**
A survey of casework, group work, community organization, social analysis, intervention, and priority care. Detailed attention will be given to ethics and decision-making in engineered micro-and macro-social change.

295-296. SELECTED TOPICS **3,3**
An intermediate study of a special topic not normally covered in regular sociology, social work, and anthropology courses.

303. STATISTICS FOR BEHAVIORAL SCIENCE **3**
Prerequisite: Mathematics 105 or higher The logic and application of standard statistical tests in the analysis of data Yearly. (Same as Psychology 303 and Political Science 303.)

305. SOCIAL PSYCHOLOGY **3**
Prerequisite: Permission of the instructor A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Yearly (Same as Psychology 305)

308. THE SOCIOLOGY OF RELIGION **3**
An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the U S Alternate years (Same as Religion 308.)

309. SOCIAL STRATIFICATION **3**
An analysis of the structuring of societies along social class and caste lines with particular application to the American situation. Includes theories and characters of social class systems. research in stratification, differential class behavior, social mobility, power relationships, and castes and estate systems. Altemate years.

310. CRIMINAL AND DELINQUENT BEHAVIOR **3**
A study of crime and juvenile delinquency. Extent, causative factors, methods of treatment, and programs of prevention and control are covered. Altemate years.

311. CONFLICT **3**
An examination of the causes and development of conflict within and among societies with particular attention to strategies of conflict resolution. Emphasis is placed on a theoretical understanding of the relationship between the powerful and the powerless and on empirical evidence which illuminates this relationship. Altemate years.

312. DEMOGRAPHY **3**
The statistical study of populations and ecosystems, their size, distribution and composition. It is concerned with such matters as the changes over time in fertility, mortality, and migraton, and with the variables related to these changes. Alternate years.

322. AREA STUDY IN ANTHROPOLOGY **3**
Prerequisite: Sociology 101. Application of anthropological theory and methods to the comparative study of a particular cultural group, including emphasis on culture, institutions, and social development.

395-396. SELECTED TOPICS IN SOCIOLOGY **3,3**
A detailed study of specialized topic in sociology not normally covered in regular sociology, social work, and anthropology courses.

400. INTERNSHIP **3**
Students will be placed in a service agency for one semester at least 3 hours a week. Conferences with faculty will be at least 1 hour every two weeks. Each student will be required to write a paper outlining the goals of the agency, an evaluation of how well the goals are being met, and their interpretation of their overall experience. May be repeated for credit.

401. DEVELOPMENT OF SOCIAL THOUGHT **3**
Prerequisite. Permission of the instructor. A historical perspective in sociological thought. Major theorists studied include Marx, Weber, Durkheim, Michels, Veblen, Pareto, Parks, Schutz, Habermas, Znaniecki, Wirth. Contributions to the development of modem European sociological thought will be examined. Altemate years. Primary sources will be used. Altemate years.

402. CONTEMPORARY AMERICAN SOCIOLOGY **3**
Prerequisite: Permission of the instructor. A survey of contemporary American schools of sociology including functionalism, structuralism, symbolic interaction, exchange, role, conflict, community study, and radicalism. Primary sources will be used.

414. COLLECTIVE BEHAVIOR **3**
An analyis of the various forms of collective behavior (fads, panics, riots, social movements, etc) and a detailed survey of the genesis, development, and decay of social movements and social revolutions. Altemate years.

415. METHODS IN SOCIAL RESEARCH **3**
Prerequisite: An approved statistics course. An examination of the interrelationship of theory, methodology and sociological research techniques. Altemate years.

483. SEMINAR **3**
Prerequisite: Permission of the instructor. An advanced study in research seminar format within a particular sociological specialty. Yearly.

493. INDEPENDENT STUDY **3**
Prerequisites: Permission of the department, submission of acceptable proposal, selection of adviser. Advanced library or original research in a well-defined topic of the student's choice, forming a logical part of his academic curriculum. On demand.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module.

THEATRE/SPEECH

(TSP)

Professor Buseick, *Chairman*
Assistant Professor: Folmer
Instructor: Lambert

The Theatre/Speech Department offers a curriculum to serve three types of students: those who plan to attend graduate school, those who plan to teach, and those who plan to pursue a career in the profession or to use their training for vocational recreation.

The Theatre/Speech Department provides cultural enrichment for the College and the community through its production schedule, representing a "Theatre With A Purpose," Participation in the productions of the department is open to any student enrolled at Centenary College.

SPEECH

MAJOR REQUIREMENTS

For the B.A. in Speech, the major must complete:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RS in the list below.
   (b) twelve of these hours must be elected from those courses marked ES in the list below.
2. A single foreign language through the elementary level.

MINOR REQUIREMENTS

TSP 101, 200, 201, 211, or 220, and 2 of the following courses (may not count both 310 and 312): 300, 302, 309, 310, 312.

THEATRE

MAJOR REQUIREMENTS

For the B.A. in Theatre, the major must complete:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RT in the list below.
   (b) nine of these hours must be elected from those courses marked ET in the list below.
2. A single foreign language through the elementary level.
3. And 471-473S, T, or S or T.

MINOR REQUIREMENTS

General Theatre: TSP 111, 201, 204, 250, 307, 308, 483.
Technical Emphasis: TSP 111, 205, 206, 305, 350, 483, 493.
Directing Emphasis: TSP 111, 205, 206, 203 or 204, 303, 401, 402.
Acting Emphasis: TSP 102, 103, 111, 203, 204, 303, 405, 493.

THEATRE/SPEECH CERTIFICATION

For the B.A. in Theatre/Speech with teacher certification, the major must complete the teacher certification requirements (see Department of Education) plus:

1. Thirty-six (36) semester hours
   (a) required in these hours are those courses marked RC in the list below.
   (b) nine of these hours must be elected from those courses marked EC in the list below.
2. A single foreign language through the elementary level.

MAJOR REQUIRED COURSES

101	RS/ET/EC	204	RT/RC/ES	302	RS/ET/EC	312	ES/ET/EC
102-103	RT/RC/ES	205	RT/RC/ES	303	ES/EC	350	ES/ET/EC
111	RC/ES	206	ES/ET/EC	305	ES/ET/EC	401	RT/RC/ES
112	RT/ES/EC	211	RC or 220/ES	307	RT/ES/EC	402	RT/ES/EC
200	RS/EC	220	RS/RC or 211	308	RT/ES/EC	405	ES/ET/EC
201	RS/RC/ET	250	ES/ET/EC	309	RS/RC or 300	483T	ES/ET/EC
203	RT/RC/ES	300	RS/RC or 309	310	ES/ET/EC	491-493T	RS/RT/RC

001-002. THEATRE LABORATORY **0-0**
A practical experience related to productions, both performance and technical, for all theatre and theatre/speech certification majors for each semester in which they are registered in the College as theatre/speech majors.

101. FUNDAMENTALS OF VOICE AND DICTION **3**
Study of vocal usage and work designed to improve personal speech. Exercises in breathing, relaxing, pronunciation, and voice production. Yearly.

102-103. VOICE FOR THE STAGE **2-2**
An intensive year-long study of the system of voice and speech evolved by Arthur Lessac, embracing the study of structural, tonal, and consonantal action, and the beginnings of their application to scene work. Yearly.

104. WORKSHOP: COSTUME CONSTRUCTION **1**
Practical workshop in design and construction related to summer productions. Offered summers only.

105. WORKSHOP PRODUCTION: TECHNICAL **1**
Practical workshop in construction, lighting, and stage props as related to summer productions. Offered summers only.

106. WORKSHOP: MAKE-UP **1**
A concentrated practical study of the basic techniques and application as applied to stage make-up. Offered summers only.

107. WORKSHOP: ACTING **1**
Principles of basic acting technique culminating in participation in special summer productions. Offered summers only.

111. ORIENTATION TO THE THEATRE **3**
A brief but comprehensive introductory view of the theatre examining all the elements that make it a lively art. Yearly.

112. ANALYSIS AND CRITICISM **3**
An introductory study of form and technique of dramatic literature. Yearly.

121-122. BALLET (BEGINNING) **1-1**
Introduction to the fundamentals of classical ballet and vocabulary (Same as Physical Education 121-122.)

123-124. TAP (BEGINNING) **1-1**
Basic tap technique and vocabulary. (Same as Physical Education 123-124.)

125-126. JAZZ (BEGINNING) **1-1**
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercise to increase the flexibility of the body. (same as Physical Education 125-126.)

127-128. MODERN DANCE (BEGINNING) **1-1**
Introduction to basic modern dance technique, terminology, and philosophy. (Same as Physical Education 127-128.)

200. PUBLIC SPEAKING **3**
The development of oral communication skills employed in extemporaneous and impromptu speaking. Yearly.

201. INTRODUCTION TO INTERPRETATION **3**
Emphasis on voice development in relation to the study of esthetic and intellectual content of all types of literature. Yearly.

203. ACTING: MOVEMENT **2**
A study of the body as one of the tools in acting. Work on scenes and creative expression through physical movement. Alternate years.

204. ACTING: IMPROVISATION **2**
Prerequisite: 203. An intellectual approach to acting through the discovery of the where, who, and what used to develop creativity and spontaneity in the actor. Alternate years.

205. INTRODUCTION TO TECHNICAL THEATRE **3**
A course in applied arts in staging, lighting, and scenery. Yearly.

206. SCENE DESIGN **3**
Prerequisite: 205. Introduction to the principles of design for the theatre. Alternate years.

211. DEBATE AND ARGUMENTATION **3**
Study of the principles and practices of debate and argumentation. Offered on demand.

220. DISCUSSION PRACTICES **3**
Study of the principles of participation in panels, round tables, symposiums, and forums, with emphasis also upon leadership in these forms. Alternate years.

241-242. BALLET (INTERMEDIATE) **2-2**
Designed to increase the student's knowledge of ballet by extending his vocabulary of classical movement, with emphasis on the importance of precision and proficiency. (Permission of instructor required.)

243-244. TAP (INTERMEDIATE) **2-2**
Concentration on riffs, pull-backs, wings, turns, and other specific advanced movements. (Permission of instructor required.)

245-246. JAZZ (INTERMEDIATE) **2-2**
In-depth exploration of basic jazz movements with emphasis on rhythmic patterns, dynamics, space, and levels. (Permission of instructor required.)

247-248. MODERN DANCE (INTERMEDIATE) **2-2**
Concentration on technical proficiency with emphasis on individual creativity. (Prerequisite: Theatre/Speech 127 and 128 or permission of instructor.)

250. HISTORIC COSTUME FOR THE STAGE **3**
A survey of dress, style, and design of personal scenic elements for theatrical production. Alternate years.

300. ADVANCED PUBLIC SPEAKING **3**
Prerequisite. 200. Concentrated study in more formal public address, with emphasis on rhetoric, logic, and audience psychology. Alternate years.

302. ADVANCED LITERARY INTERPRETATION **3**
Prerequisite: 201. Techniques involved in platform reading, with program presentation of prose, poetry, and drama. Alternate years.

303. ACTING: CHARACTER DEVELOPMENT **3**
Through work with the dramatic text the student researches and applies philosophies of character development, using techniques of Stanislavski. Alternate years.

305. STAGE LIGHTING AND SOUND **3**
Survey of light and sound for the communicative media. Alternate years.

307. HISTORY OF THE THEATRE **3**
The development of the theatre from its beginning to 1800, including highlights of great dramatists and their works, and of production. Yearly.

308. HISTORY OF THE THEATRE **3**
Prerequisite: 307. The development of the theatre from 1800 to the present, including highlights of great dramatists and their works, and of production. Yearly.

309. HISTORY OF PUBLIC ADDRESS **3**
Survey of the development and influence of oral language from Greek to the present. Alternate years.

310. COMMUNICATIVE MEDIA: RADIO **3**
An extensive study of the general principles involved in the philosophy and theory of radio communication, with a study of its major areas of operation. Limited enrollment; approval of the department chairman is required. Alternate years.

312. COMMUNICATIVE MEDIA: TELEVISION **3**
An extensive study of the general principles involved in the philosophy and theory of television communication, with a study of its major areas of operation. Limited enrollment; approval of the department chairman is required. Alternate years.

320. ETHNIC DANCE **2**
A survey with practical application and historical/geographical research of certain types of dance related to specific nationalities, e.g. Spanish, Oriental, Greek, etc.

327. DANCE HISTORY I **3**
The development of Western theatrical dance from its beginning in the Renaissance Courts of Italy up to the 20th Century. Concentration on classical ballet.

328. DANCE HISTORY II **3**
The development of modern tap, jazz, and twentieth century ballet, including a survey of the current dance scene.

350. COSTUME DESIGN **3**
Prerequisite: 250. Emphasis on design principles and construction. Alternate years.

361-362. BALLET (ADVANCED) **2-2**
Concentration on the performance aspects of ballet. Pointe work for women. Adagio and partner work for men. (Permission of instructor required.)

363-364. TAP (ADVANCED) **2-2**
Exploration of various styles of tap such as soft shoe, ballet-tap, and buck-and-wing, with concentration on performance aspects and choreographic uses. (Permission of instructor required.)

365-366. JAZZ (ADVANCED) **2-2**
Exploration of various styles of jazz dance such as lyrical, rock and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.)

367-368. MODERN DANCE (ADVANCED) **2-2**
Exploration of various styles of modern technique with concentration on performance and choreography. (Prerequisite: Theatre/Speech 247-248 or permission of instructor.)

370. CHOREOGRAPHY AND COMPOSITION **3**
Methods of choreography and dance notation. Emphasis on theoretical and creative concepts. (Permission of instructor required.)

401. DIRECTING I **3**
Open only to senior speech or theatre majors. A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Yearly.

402. DIRECTING II **3**
Prerequisite: 401. Script analysis and the application of researched theory into practical experience by means of directing scenes, one-acts, and cuttings. Yearly.

405. ACTING: STYLES **3**
Prerequisite: 303. A survey of acting styles in Greek, Medieval, Commedia dell' Arte, Renaissance, Neo-classical, Restoration, Romantic, Realistic, Satire and Epic Theatre, and Theatre of the Absurd. Alternate years.

471-473T. SENIOR SEMINAR IN THEATRE **1-3**
A specially designed project course to assure senior compentency in a student's major discipline.

471-473D. SENIOR SEMINAR IN DANCE **1-3**
A specially designed project course to assure senior compentency in a student's major discipline.

471-473S. SENIOR SEMINAR IN SPEECH **1-3**
A specially designed project course to assure senior compentency in a student's major discipline.

483T. SEMINAR IN THEATRE **3**
Prerequisite. Consent of instructor. Advanced courses arranged for the individual major's requirements. Each semester.

483D. SEMINAR IN DANCE **3**
Advanced courses arranged for the individual needs and interests of the student (Consent of instructor required.)

491-496T. INDEPENDENT STUDY IN THEATRE **1-6**
Prequisites: Junior or senior standing and consent of instructor. Designed for flexibility, this course is offered to meet the need of the individual student. Examples of projects: writing a thesis, mounting a production, developing a course of study, playwriting, research, and conference. Each semester.

491-496D. INDEPENDENT STUDY IN DANCE **1-6**
Prerequisites: Junior or senior standing and consent of instructor. A specific project such as choreographing a musical play, writing a thesis, or presenting a dance concert as a choreographer and/or as a performer.

I-99. INTERIM STUDIES **3**
Special topics offered in the January Interim.

M-99. MODULE STUDIES **3**
Special topics offered during the May Module

ENRICHMENT OPPORTUNITIES

In keeping with its aim to provide breadth as well as depth in the student's academic experience, Centenary offers a variety of off-campus, exchange, travel, and field study programs. Additional information on any of the following may be obtained from the Dean of the College.

The Centenary/Aarhus Exchange Program

By means of a unique exchange program Centenary faculty and students have the opportunity to teach and study at the English Institute of the University of Aarhus, Denmark. Because of this "sister institution" relationship between the two schools, students may earn credit at Centenary for courses completed at the University of Aarhus, without additional tuition and fees beyond those normally paid at Centenary College. Through this arrangement, participating Centenary students are enabled not only to study at a leading European university but also to travel on the Continent while living in Denmark. The exchanges between the two institutions are for one semester only.

British Studies at Oxford Program

Centenary's membership in the Southern College University Union (SCUU), an educational consortium, enables Centenary students to participate in the British Studies at Oxford program during the summer. Each year a different period of Britain's historical and cultural development is studied under the direction of some of England's leading scholars. Students live and study at St. John's College, Oxford, and have the opportunity to travel throughout Great Britain. Students who successfully complete this program receive course credit from Centenary.

Japanese Studies in Tokyo

In cooperation with the other SCUU colleges and universities a program is offered in which students study Japanese Culture and Society and choose two offerings from: The Government and Politics of Japan, History of Modern Japan, Meeting the Japanese Challenge: the American Approach for Industry, and the Japanese Language.

University of London Program in Contemporary International Problems

Another SCUU summer program for Centenary faculty and students is the University of London-based program in Contemporary International Problems held at Birkbeck College. This focuses on social, economic, business, and political topics.

Oak Ridge Semester

A semester of study and research at Oak Ridge National Laboratory is available to qualified science students through the joint sponsorship of SCUU and the Energy Research and Development Administration. The Oak Ridge semester begins in early January and lasts sixteen weeks. The program is open to junior or senior majors in mathematics, chemistry, physics, biology, economics, and sociology. Students selected for this program receive a $1000 scholarship for living expenses.

CODOFIL

Centenary College is a member of the Consortium of Louisiana Universities and Colleges of CODOFIL (the Council for the Development of French in Louisiana). The Consortium sponsors both academic year and summer study programs at the Université Catholique de l'Ouest in Angers, France. Academic-year programs are also available at the Université Laval in Quebec and the Université de Mons in Belgium. Every year one or more $1000 scholarships for the academic year program are available to Centenary students who are legal residents of Louisiana. Centenary students who are Louisiana citizens are also eligible to apply for French government scholarships which pay all expenses (except airfare) for the month-long summer program. Academic credit earned through these programs is accepted as "in-residence" semester hours by Centenary.

Washington Semester Program

Selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of the American University in Washington D.C. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from other institutions. Participating students work on an individual project selecting three courses to complete the program. Projects and courses are chosen in consultation with the faculty adviser, and full credit for the semester is granted by Centenary.

OTHER EDUCATIONAL RESOURCES

The Center for Economic Education

Centenary College has one of the four Centers in the Louisiana Council for Economic Education. The Louisiana Council is a member of the National Joint Council of Economic Education. The purpose of the Center is to work with the State Department of Education, the Joint Council, and the school districts of the area in conducting in-service workshops in the teaching of economics. A summer workshop is held each year at Centenary, which gives graduate credit to the participants. Current economic issues are studied as well as the economic principles behind these issues.

The Center for Management Development

The Center for Management Development at Centenary College conducts seminars of interest to the business community on such topics as human relations, marketing research techniques, plant safety, and women in management, as well as the yearly supervisory seminar. The Center also holds training programs for local businesses to assist the development of their employees for advancement. The Dean of the School of Business is the Director of the Center.

Senior Adult Education

The Senior Adult Education Program at Centenary College offers short non-credit courses in the spring and fall to persons in the area who are sixty years of age or older. These courses cover a variety of subjects and are taught by Centenary professors and persons from the communities of Shreveport and Bossier City.

VIII.

COLLEGE ORGANIZATION

CENTENARY COLLEGE OF LOUISIANA BOARD OF TRUSTEES 1986-87

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H. Blume Johnson (Shreveport)
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John T. Palmer (Shreveport)
Cecil E. Ramey, Jr. (Shreveport)
W. Odell Simmons (Shreveport)
Joe D. Waggonner, Jr. (Benton)
Hoyt Yokem (Shreveport)

TERM EXPIRES IN 1988

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D. L. Dykes, Jr. (Shreveport)
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L. Bea Adams, Accounts Payable Clerk
Patricia Gentry, B.S., Funds Desk Clerk
Sharon Faust, B.A., N.D.S.L.
Sherri Long, Key Punch Operator
Patti VanHorn, Switchboard Operator Receptionist

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LaFerne Collins, Resident Director, James Hall
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Linda Huffman, Admissions Secretary/Receptionist
Sharon Lindsay, B.A., Clerk

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Karen Cole, M.A., Director of Financial Aid
Lynette Potter, B.S., Counselor, Student Loan Officer and Veterans' Benefits Coordinator

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R. Johnson Watts, A.M., Registrar
Mildred Grate, Secretary
Bess Robinson, B.A., Records Clerk

Magale Library

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Ella C. Edwards, M.S., Reference and Assistant Librarian
Christy J. Wrenn, M.L.S., Cataloguer Head of Circulation Department
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Carolyn Garison, M.L.S., Music Librarian/Archivist
Dorothy Hall, Aide

Meadows Art Museum

Willard Cooper, M.F.A., Director and Curator
Judy Godfrey, B.A., Program Director
Bruce Allen, B.A., B.S., M.F.A Assistant to the Curator

School of Church Careers

Herbert M. Scott, B.D., Director Coordinator of Pastoral Relations and Church Placement
Wilson H. Brent, B.S., M.S., M.A., M.Div. Associate Director of Church Careers
Alicia Gaby, Secretary

Athletic Department

Walter C. Stevens, Jr., M.A., Athletic Director
Andrew Watson, B.S., Coach of Men's Baseball
Thomas R. Canterbury, M.A., Coach of Men's Basketball
Thomas T. Vardeman, M.A., Assistant Coach of Men's Basketball
Larry Bagley, M.Ed, Assistant Coach of Men's Basketball and Coach of Women's Volleyball
Peter Winkler, B.A., Coach of Men's Golf
James Harrison, M.S., Coach of Men's and Women's Tennis
Lisa Wells, B.S., Coach of Men's and Women's Cross Country and Women's Softball
Glenn S. Evans, M.Ed, Coach of Men's Soccer
Bernard L. Jenkins, SFC, U.S. Army, Coach of Men's and Women's Riflery
Robert and Willa Moss, Coaches of Women's Gymnastics
Patrick S. Booras, B.S., Sports Information Director
Terry Ann Finklea, Secretary
Ilka Vaitkus, Secretary

Senior Adult Education

Kay Lee, B.A., Director

Computing Center

David E. Thomas, Ph.D., Director
Sherry Barefield, Manager

Academic Offices

Daisy Jolley, Secretary to the Hurley School of Music
Linda Jenson, Secretary to the Education Department and Coordinator of Teacher Placement
Betty Labor, Secretary to the School of Business
Bettye B. Leslie, B.A., Faculty Secretary
Patty Roberts, B.A., Secretary to the English Department
Angela McWilliams, Secretary to the Theatre/Speech Department

Bookstore and Post Office

Margaret McDowell, B.A., B.S., Bookstore Manager
Delton Abrams, B.S., Assistant Manager
Roy Seagroves, Post Office Manager

Buildings and Grounds

Jack Lee, B.A., Director of Physical Plant
Richard W. Rouse, Superintendent
William F. Tice, M.S.E.E., Consultant for Technical Services
Rebecca Meacham, Secretary

Building Maintenance and Operations

Samuel Downs, Supervisor/Electrician
Allen Sellars, Carpenter
Bryson Graham, General Repair/ Plumber
David Rubio, General Repair/Electrician
Francisco Soriano, Carpenter
James Flakes, General Repair/Locksmith
Leroy Gafford, Painter
Robert Hill, General Repair/Carpenter
Ronnie Cain, Painter
Alexander Loredo, Systems Mechanic
Alonzo Bryant, Assistant Systems Mechanic

Grounds Services

Jack Armstrong, Supervisor
David Gadson, Foreman
Craig Veal, Groundskeeper
Gary Gaston, Groundskeeper
Jimmy Blount, Groundskeeper
Lewis Jackson, Groundskeeper/Systems Repair
Marvin Dennis, Groundskeeper
Robert Allen Jones, Groundskeeper
Sam Green, Groundskeeper/Mechanic

Custodial Services

Eddie Williams, Supervisor
Betty Gafford, T.L. James Dormitory (Annex)
Charles Casey, Jackson Hall
Eddie McDaniels, Gold Dome
Emily Brown, T.L. James Dormitory (Proper)
Freddie Mae Miles, Hardin Hall
Henry R. Wallace, Magale Library
Herbert Reed, Cafeteria
Herman Rachel, Music Building
James Priest, Hamilton Hall
Jessie Jett, Pierce Cline Dormitory
John L. Smith, Mickle Hall
Lee Arthur Thomas, Rotary Hall
Marcodell Hildreth, Moore Student Center
Margaret Chitman, Sexton Hall
Michael Dennis, Marjorie Lyons Playhouse
Michael Gideon, Library Basement
Ouida Savannah, Hamilton Hall
Sammie Green, Pierce Cline Dormitory
Shirley Germany, Gold Dome
Willie Clark, Mickle Hall
Willie T. Hayes, Haynes Memorial Gymnasium
Willie Holland, Smith Building/ Brown Chapel

Cafeteria

Dottie Deaton, Director of Food Service
Debbie Mitchell, Assistant Manager of Food Service
Marceline Renaudo, Supervisor
Angie Swayzer, Cook
Bessie May Taylor, Cook
Beulah Bryant, Cook
Daisy Brown, Serving Line
Elizabeth Benjamin, Salad Cook
Gloria Baldwin, Asst. Cook, Dishroom
Jerry Grant, Dishroom
Larry Loston, Dishroom
Levail Stewart, Pastry Cook
Mary English, Asst. Cook
Mattie Price, Cashier
Pauline Richardson, Cashier
Shirley Hill, Serving Line
Virginia Morgan, Serving Line
Wanda Jackson, Fry Cook
Don Thompson, Dishroom

FACULTY 1986-87

(The date in parentheses indicates the first appointment to the Faculty.)

Bruce Allen . . . . . *Assistant Professor of Art*
B.A., 1975, B.S., 1977, Centenary College; M.F.A., University of Wyoming, 1981. (1983).

Will K. Andress . . . . . *Lecturer in Music and Director of Centenary College Choir*
B.M., Centenary College, 1961; B.C.M., Southern Baptist Seminary, 1963; M.M., East Carolina University, 1969; D.M., Florida State University, 1971. (1974)

Charles T. Beaird . . . . . *Adjunct Professor of Philosophy*
B.A., Centenary College, 1966; Ph.D., Columbia University, 1972. (1969)

David L. Bedard . . . . . *Associate Professor of Health and Physical Education*
B.S., 1968, M.Ed., 1972, Northwestern State University of Louisiana; Ed.D, East Texas State University, 1981. (1981)

Marvin Bennett . . . . . *Instructor in Geology*
B.S., Marshall University, 1979, M.S., Stephen F. Austin, 1983 (1982)

Lewis A. Bettinger . . . . . *Professor of Psychology and Chairman of the Department*
B.S., 1962, M.A., 1963, Ph.D., 1966, Ohio State University. (1972)

Ernest W. Blakeney, Jr. . . . . . *Assistant Professor of Chemistry*
B.S., Spring Hill College, 1960; M.S., Mississippi State University, 1970; Ph.D., University of Texas at Austin, 1972. (1985).

Betsy V. Boze . . . . . *Assistant Professor of Business*
B.S., 1974, M.B.A., 1975, Southern Methodist University; Ph.D., University of Arkansas, 1984. (1983)

Andrew Brandt . . . . . *Lecturer in Music*
B.M.E., Baldwin-Wallace Conservatory of Music, 1973; M.M., Indiana University, 1978. (1982)

Wilson H. Brent . . . . . *Associate Director of Church Careers Program*
B.S., M.S., Mississippi College, 1958; M.Div., Asbury Theological Seminary, 1962; M.A., Azusa Pacific College, 1979. (1983)

Robert R. Buseick . . . . . *Professor of Theatre and Speech and Chairman of the Department*
B.S., Eastern Oregon College, 1955; M.F.A., University of Portland, 1964. (1969)

Constance Carroll . . . . . *Artist in Residence in Music*
B.M., University of Arizona, 1957; M.M., Eastman School of Music, 1959. (1969-74; 1979)

Frank M. Carroll . . . . . *Ed and Gladys Hurley Professor of Music and Dean of the Hurley School of Music*
B.S., Shenandoah Conservatory of Music, 1950; M.M., College of Music of Cincinnati, 1952; Ph.D., Eastman School of Music, 1960. (1969-74; 1979)

William Bailey Carter . . . . . *Lecturer in English*
B.A., Northwestern State University of Louisiana, 1973. (1977)

Harold R. Christensen . . . . . *Associate Professor of Economics and Director of the Economic Education Center*

B.A., 1971, M.S., 1975, Ed. D., 1979, Oklahoma State University. (1980)

Delbert William Chumley, Jr. . . . . . *Adjunct Professor of Accounting*

B.S., Louisiana Tech University, 1955; M.B.A., Southern Methodist University, 1969; Ph.D., University of Arkansas, 1975. (1976-1983; 1986.)

Phyllis Cooper . . . . . *Lecturer in Music*

B.S., Crane School of Music of State University of New York at Potsdam, 1946. (1972)

Willard Cooper . . . . . *Professor of Art and Chairman of the Department*

A.B., Centenary College, 1947; M.F.A., Escuela Universitaria de Bellas Artes, Mexico, 1949. (1958)

L. Hughes Cox . . . . . *Professor of Philosophy and Chairman of the Department*

A.B., Wabash College, 1953; S.T.B., Boston University, 1956; M.A., 1959, Ph.D., 1963, Yale University. (1967)

Edward J. Crawford III . . . . . *Lecturer in English and Foreign Languages*

B.A, The University of the South, 1972; M.A., University of Texas, 1976. (1977)

Laura Crawford . . . . . *Lecturer in Music and Director of the Suzuki Violin School*

B.M., 1975, M.M., 1976, University of Texas. (1980)

Lane Crockett . . . . . *Lecturer in English*

B.A., Texas Tech University, 1964. (1978)

Donald M. Danvers . . . . . *Assistant Professor of Mathematics*

B.A., 1956, M.A., 1958, Northwestern University. (1960)

Barbara J. Davis . . . . . *Instructor in Accounting*

B.S., 1977, M.B.A., 1984, Louisiana State University in Shreveport; C.P.A. (1986)

Ronald E. Dean . . . . . *Associate Professor of Music*

B.A., Williams College, 1954; M.M., University of Michigan, 1957. (1960)

Mark E. Dulle . . . . . *Professor of Psychology*

B.S., 1967, M.S., 1969, Memphis State University; Ph.D., Louisiana State University, 1978. (1969-1974, 1977)

Barbara W. Dupree . . . . . *Lecturer in Art*

B.A., Louisiana State University, 1945. (1983)

Ella C. Edwards . . . . . *Assistant Professor and Assistant Librarian*

B.A., Northwestern State College, 1968; M.S., Louisiana State University, 1973. (1973)

Vannie Edwards . . . . . *Lecturer in Physical Education*

B.S., Southeastern Louisiana College, 1959. (1964)

Donald G. Emler . . . . . *Associate Professor of Religion*

B.A., University of Missouri at Kansas City, 1960; M.Div., Garrett Theological Seminary, 1963; Ed.D., Indiana University, 1973. (1976)

Horace C. English . . . . . *Professor of Music*

B.M., Shorter College, 1962; M.C.M., New Orleans Baptist Theological Seminary, 1964; D.M., Florida State University, 1969. (1984)

James C. Farrar . . . . . *Associate Professor of Physical Education and Chairman of the Department*
B.S., Louisiana Tech University, 1953; M.S., University of Arkansas, 1961; Ed.D., Northwestern State University of Louisiana, 1975. (1977)

Ginger D. Folmer . . . . . *Assistant Professor of Theatre and Speech*
B.A., Centenary College, 1964; M.A., Syracuse University, 1967. (1975)

Robert C. Frey . . . . . *Assistant Professor of Geology*
B.S.. Wright State University, 1974; M.S., 1976; Ph.D., 1983, Miami University, Oxford, Ohio. (1981)

Carolyn Garison . . . . . *Music Librarian/Archivist*
B.A., 1967, B.M., Centenary College; M.L.S., North Texas State University,1980. (1980)

Robert R. Gray . . . . . *Lecturer in Engineering*
B.S., New Mexico Institute of Mining and Technology, 1969. (1984)

Rodney Arthur Grunés . . . . . *Associate Professor of Political Science*
A.B., Drew University, 1963; A.M., 1967, Ph.D., 1972, Duke University. (1986).

Dorothy Bird Gwin . . . . . *Professor of Education and Psychology and Dean of the College*
B.B.A., 1954, M.S., 1955, East Texas State University; Ed.D., University of Kansas, 1958. (1967)

Michael Lee Hall . . . . . *Associate Professor of English*
B.A., 1968, M.A., 1972, University of Texas, M.A., 1974, Ph.D., 1976, The Johns Hopkins University. (1976)

Robert N. Hallquist . . . . . *Professor of Education and Chairman of the Department*
B.M., New England Conservatory of Music, 1950; M.A., Columbia University, 1959; Ed.D., University of Mississippi, 1968. (1967)

Alton O. Hancock . . . . . *Professor of History and Chairman of the Department*
A.B., Centenary College, 1954; B.D., 1957, Ph.D., 1962, Emory University. (1964)

Gaius N. Hardaway . . . . . *Visiting Professor of Education*
B.S., Centenary College, 1949; M.Ed., University of Arkansas, 1954; Ed.D., University of Mississippi, 1969. (1977)

Donald D. Heacock . . . . . *Lecturer in Social Work*
B.S., Washburn, 1956; B.D., United Seminary, 1959; M.S.W., Barry College, 1971. (1981)

Fredric Jefferson Hendricks . . . . . *Assistant Professor of English*
B.A., Centenary College, 1975; M.A., 1976, Ph.D., 1983, University of Illinois. (1983)

Miles E. Hitchcock . . . . . *Instructor in Mathematics*
B.S., Centenary College, 1971; M.S., Louisiana Tech University, 1974. (1984)

David J. Hoaas . . . . . *Assistant Professor of Economics*
B.S., Bemidji State University, 1982; M.A., 1983, Ph.D., 1986, Duke University. (1986)

Thomas M. Holloway . . . . . *Instructor in Military Science*
Staff Sergeant, United States Army, 1981. (1985)

David Hymel . . . . . *Assistant Professor of Military Science*
B.S., Louisiana State University, 1975; Captain, United States Army, 1980. (1984)

David H. Jackson . . . . . *Assistant Professor of English*
A.B., Occidental College, 1975; M.A., 1976, M.Phil., 1978, Ph.D., 1981, Columbia University. (1981)

Bernard L. Jenkins . . . . . *Instructor in Military Science*
Sergeant First Class, United States Army, 1981. (1985)

Kay Strickland Johnson . . . . . *Lecturer in Chemistry*
B.S., Centenary College, 1975. (1980)

Neil Johnson . . . . . *Lecturer in Art*
B.A., Washington and Lee University, 1976. (1982)

Sylvia Jones . . . . . *Education Coordinator,* MTASCP
B.S., Northeast Louisiana University, 1956; M.S., Louisiana Tech University, 1970. (1979)

Earle Labor . . . . . *Professor of English*
B.A., 1949, M.A., 1952, Southern Methodist University; Ph.D., University of Wisconsin, 1961. (1955-62; 1966)

Larry E. Lambert, Jr. . . . . . *Instructor in Speech*
B.A., 1975, M.A., 1977, North Texas State University. (1984)

Robert Langton . . . . . *Lecturer in Geology*
B.S., Centenary College, 1969. (1970)

Carney G. Laslie, Jr. . . . . . *Adjunct Professor of History and Geography*
B.A., University of Mississippi, 1936; M.A., The American University, 1968. (1972)

Victoria A. LeFevers . . . . . *Associate Professor of Health and Physical Education*
B.S.E., Southern Arkansas University, 1968; M.A., 1969, Ph.D., 1971, Texas Woman's University. (1982)

David Lefkowitz, Jr. . . . . . *Lecturer in Religion*
B.A., University of Cincinnati, 1932; Th.D., Pikes Peak Seminary, 1952; D.D., Centenary College of Louisiana, 1956; D.D., Hebrew Union College, 1962. (1978)

Beth E. Leuck . . . . . *Associate Professor of Biology*
B.S., Michigan State University, 1973; M.S., 1975, Ph.D., 1980, University of Oklahoma. (1980)

Edwin E. Leuck II . . . . . *Associate Professor of Biology*
B.S., Michigan State University, 1973; M.S., 1975, Ph.D., 1980, University of Oklahoma. (1980)

Darrell M. Loyless . . . . . *Associate Professor of Political Science and Vice President of the College*
B.S., University of Texas, 1967; M.A., East Texas State University, 1968; Ph.D., The American University, 1975. (1968-70; 1973)

A. Bradley McPherson . . . . . *Mary Warters Professor of Biology and Chairman of the Department*
B.S., Southeastern Louisiana College, 1960; M.S., Louisiana State University, 1967; Ph.D., Southern Illinois University, 1971. (1971)

Ira Lee Morgan . . . . . *Willie Cavett and Paul Marvin Brown, Jr., Professor of English and Chairman of the Department*
B.A., Hendrix College, 1949; M.A., University of Tennessee, 1950; Ph.D., University of Florida, 1954. (1954)

Carolyn Q. Nelson . . . . . *Lecturer in Art*
B.A., Newcomb College, Tulane University, 1974; M.A., University of Texas, Austin, 1983. (1984)

Gale J. Odom . . . . . *Assistant Professor of Music*
B.M., North Texas State University, 1975; M.M., Indiana University, 1978. (1978)

Edmond M. Parker . . . . . *Lecturer in Engineering and Professor Emeritus of Engineering Sciences*
B.S., Southeastern Oklahoma State College, 1946; M.S., East Texas State University, 1950. (1947)

Arnold M. Penuel . . . . . *Professor of Spanish and Chairman of the Department*
B.A., University of Tennessee, 1958; M.A., University of the Americas, 1963; Ph.D., University of Illinois, 1968. (1972)

Antonio Pizarro . . . . . *Assistant Professor of Mahtematics*
B.S., University of Chile, 1970; M.S., Technical University, Chile, 1973; M.S., 1978, Ph.D., 1979, University of Iowa. (1982)

Webb D. Pomeroy . . . . . *T. L. James Professor of Religion and Chairman of the Department*
A.B., Centenary College, 1944; B.D., Union Theological Seminary, 1946; Ph.D., University of Edinburgh, 1953. (1953)

Ronald E. Raney . . . . . *Lecturer in Business*
B.A., Centenary College; J.D., Louisiana State University Law Center, 1981. (1983)

James P. Reburn . . . . . *Instructor in Accounting*
B.S., 1980, M.Acc., 1982, Southern Illinois University. (1982)

Barrie Richardson . . . . . *Professor of Business and Economics and Dean of the School of Business*
B.A., Carleton College, 1955; M.B.A., 1956, D.B.A., 1962, Indiana University. (1983)

Anne Brown Rogers . . . . . *Instructor in English*
B.A., University of South Carolina, 1966; M.A.T., Duke University, 1967. (1979).

Marcia L. Rowell . . . . . *Instructor in Music*
B.M.Ed., Illinois State University, 1974. (1984)

Rick D. Rowell . . . . . *Instructor in Music*
B.M., 1977, M.M., 1979, Illinois State University; A.MUS.D., University of Arizona, 1983. (1984)

Donald Rupert . . . . . *Professor of Music*
B.M., 1953, M.M., 1956, A.M.D., 1962, Eastman School of Music. (1971)

Austin A. Sartin . . . . . *William C. Woolf Professor of Geology and Chairman of the Department*
B.S., Centenary College, 1959; M.S., University of Arkansas, 1966; Ph.D., Southern Methodist University, 1972. (1985)

Stanley Savant . . . . . *Lecturer in Music*
B.M.E., 1971, M.M.E., 1973, Northwestern State University of Louisiana. (1973)

Herbert M. Scott . . . . . *Lecturer in Religion and Director of the Church Careers Program*
B.A., Millsaps College, 1962; B.D., Asbury Theological Seminary, 1966. (1974)

Janet McKinney Scott . . . . . *Lecturer in Music*
B.F.A., University of South Florida, 1976; M.M., Northwestern University, 1977. (1978)

Rosemary Seidler . . . . . *Professor of Chemistry and Chairman of the Department*
B.S., Loyola University, 1961; Ph.D., Tulane University, 1966. (1966)

Nolan G. Shaw . . . . . *Adjunct Professor of Geology*
A.B., Baylor University, 1951; M.S., Southern Methodist University, 1956; Ph.D., Louisiana State University, 1966. (1955)

Samuel C. Shepherd, Jr. . . . . . *Associate Professor of History*
B.A., University of Delaware, 1970; M.A., 1972; Ph.D., 1980, University of Wisconsin. (1980)

Clyde Jameson Smith . . . . . *Associate Professor of Physics*
B.S., Baptist College, 1969; M.A., Wake Forest University, 1972; Ph.D., University of South Carolina, 1980. (1984)

Betty McKnight Speairs . . . . . *Professor of Mathematics*
A.B., 1946, M.A., 1947, Southern Methodist University. (1947)

J. David Stone . . . . . *Lecturer in Religion*
B.S., Louisiana Tech University, 1960; M.A., Scarritt College, 1964. (1974)

B. Lee Sutton . . . . . *Lecturer in Art*
B.A., 1951, B.I.D., 1951, Oklahoma State University. (1964)

Robert Ed Taylor . . . . . *Associate Professor of Religion and Chaplain of the College*
A.B. Centenary College, 1952; B.D., 1955, S.T.M., 1970, Southern Methodist University. (1961)

Stanton A. Taylor . . . . . *Professor of Chemistry*
B.S., Northwestern University, 1949; M.S., Iowa State University, 1955; Ph.D., University of Oklahoma, 1965. (1961)

Chandler Teague . . . . . *Lecturer in Music*
B.M., Centenary College, 1974. (1979)

Willaim C. Teague . . . . . *Professor of Music*
B.M., Curtis Institute of Music, 1948. (1948)

David E. Thomas . . . . . *Associate Professor of Mathematics and Chairman of the Department and Director of the Computing Center*
B.S., Southeastern Louisiana University, 1969, M.S., 1973, Ph.D., 1974, Tulane University. (1974)

Jeffrey F. Trahan . . . . . *Cornelius D. and Florence Gillard Keen Professor of Physics and Chairman of the Department*
B.S., Tulane University, 1963; M.S., 1969, Ph.D., 1972, Louisiana State University. (1972)

David H. Throgmorton . . . . . *Assistant Professor of Sociology*
B.S., University of Wyoming, 1974; M.A., 1979, Ph.D., 1982, University of Illinois. (1981)

Charles E. Vetter . . . . . *Professor of Sociology and Chairman of the Department*
B.A., Southwestern University, 1961; M.A., 1965, Ph.D., 1975, North Texas State University. (1970-73; 1975)

Alfred G. Villavaso . . . . . *Professor of Military Science and ROTC Commandant*
B.S., Louisiana State University, 1968; M.S., Georgia Institute of Technology, 1978; Lieutenant Colonel, United States Army, 1985. (1985)

James G. Volny . . . . . *Associate Professor and Director of Library Services*
B.S., Kent State University, 1953; M.S.L.S., Western Reserve University, 1963. (1977)

Alvin C. Voran . . . . . *Consultant in Choral Music and Professor Emeritus of Music*
A.B., McPherson College, 1928; B.M., Chicago Conservatory of Music, 1932; Mus.D., McPherson College, 1957. (1937)

Robert Johnson Watts . . . . . *Associate Professor of German and Registrar*

A.B., 1946, A.M., 1949, Duke University. (1965)

Donald A. Webb . . . . . *Professor of Religion and President of the College*

B.A., Ohio Wesleyan University, 1960; M.Div., Methodist Theological School, 1963; Ph.D., Drew University, 1966. (1977)

Paul Weisz-Carrington . . . . . *Adjunct Professor Medical Director of Medical Technology, Pathologist*

B.S., Universidad Nacional de Mexico; M.D., New York University Medical Center, 1971. (1982)

Willaim David Wetsel . . . . . *Assistant Professor of French*

B.A., University of Texas at Austin, 1971; M.A., 1974, Ph.D., 1978, Brandeis University. (1985)

Warren N. White . . . . . *Gus S. Wortham Professor of Engineering*

B.S., Louisiana State University, 1946; M.S., Southern Methodist University, 1954; Ph.D., Tulane University, 1975. (1976)

Steve Wiegenstein . . . . . *Instructor in English*

B.J., 1976, M.A., 1981, University of Missouri-Columbia. (1985)

Michael D. Williford . . . . . *Assistant Professor of Music*

B.M.E., 1972, M.M.E., 1973, Northwestern State University of Louisiana; D.M.A., University of Iowa, 1979. (1981)

Christy J. Wrenn . . . . . *Instructor and Library Cataloguer*

B.A., Louisiana Tech University, 1975; M.L.S., Louisiana State University, 1979. (1982)

E. Paul Young . . . . . *Lecturer in Business*

B.A., Centenary College, 1976; J.D., Vanderbilt University School of Law, 1980. (1981)

Jack E. Zahm . . . . . *Lecturer in Business*

B.B.A., Canisius College, 1953; M.B.A., Louisiana Tech University, 1976. (1977)

ENDOWED CHAIRS AT CENTENARY COLLEGE

The Cornelius D. and Florence Gillard Keen Chair of Physics

In 1972, the Keen Chair of Physics was endowed by Dr. Cornelius D. and Florence Gillard Keen as a testimony of their belief in superior liberal arts education.

The T.L. James Chair of Religion

In 1975, T.L. James and Company, Inc., of Ruston, Louisiana, endowed a Chair of Religion in memory of T.L.James, a long-time supporter of Centenary College and the United Methodist Church.

The William C. Woolf Chair of Geology

The William C. Woolf Chair of Geology was established in 1978 by the Woolf Foundation of Shreveport, The Trustees of the Foundation requested that the Chair be named in honor of the late William C. Woolf, Shreveport oilman and civic leader.

The Gus S. Wortham Chair of Engineering

The Gus S. Wortham Chair of Engineering was established in 1977 by the Brown Foundation of Houston in honor of Gus S. Wortham, a Houston business and civic leader.

The Willie Cavett and Paul Marvin Brown, Jr., Chair of English

In 1980, the Willie Cavett and Paul Marvin Brown, Jr., Chair of English was endowed by Mr. and Mrs. Paul M. Brown, Jr., as an expression of their commitment to church-related higher education.

The Samuel Guy Sample Chair of Business Administration

The Samuel Guy Sample Chair of Business Administration was established in 1983 by members of Mr. Sample's family in his honor. Mr. Sample was a pioneer in the early twentieth-century business world of North Louisiana.

The Mary Warters Chair of Biology

The Mary Warters Chair of Biology was established in 1984 by friends and former students of Dr. Warters, including many physicians and dentists who wished to recognize the excellence she exhibited in her teaching.

The Ed and Gladys Hurley Chair of Music

The Ed and Gladys Hurley Chair of Music was endowed by a trust fund in 1984. This Chair epitomized the generous support and leadership of the Hurleys over many years in their relation to Centenary's Hurley School of Music.

Visiting Professors in Centenary/University of Aarhus (Denmark) Exchange Program

Karl-Heinz Westarp	Cand. Mag. (Aarhus) Lector
Jørn Carlsen	Cand. Mag. (Aarhus) Lector
Donald Hannah	M.A., Ph.D. (Nottingham) Professor
Anders Iversen	Cand. Mag. (Aarhus) Lector
Per Serritslev Petersen	Cand. Mag. (Aarhus) Lector

Woodrow Wilson Visiting Fellows from the Woodrow Wilson National Fellowship Foundation

Harold Agnew
Eugene Beem
Howard Bird
Harllee Branch
William Walton Butterworth
Lord Caradon
Sen. Dick Clark
Gene Dahmen
Nicholas Delbanco
William Dyal
Agnes Gruliow
Leo Gruliow
Maj. Gen. William C. Lewis (USAF ret.)
F. William McCalpin
Edward P. Morgan
Carlos Moseley
Jane Pierotti
John J. Powers
Goldie W. Rivkin
Malcolm D. Rivkin
Harold H. Saunders
J. Robert Schaetzel
Sen. Margaret Chase Smith
Godfrey Sperling
Marion Stephenson
Milton Viorst

PROFESSORS EMERITI

Virginia Carlton . . . . . *Professor Emerita of Mathematics*
B. S., Centenary College, 1939; M.S., Tulane University, 1940; Ph.D., Northwestern University, 1959. (1946-48; 1957-1983)

B. P. Causey . . . . . *Professor Emeritus of Music*
B.A., Northwestern State College, 1939; M.M., Northwestern University, 1954. (1941-1981)

Elmer Lee Ford . . . . . *Professor Emeritus of Foreign Languages*
A.B., 1915, M.A., 1916, Howard College; Docteur de L'Universite de Lyon, 1927 (1929-61)

Elizabeth Friedenberg . . . . . *Adjunct Professor of Art*
A.B., Centenary College, 1955; M.A. Stephen F. Austin State College, 1956. (1952-1978)

Joseph D. Garner . . . . . *Professor Emeritus of Education*
B.S., 1949, M.S., 1950, Louisiana State University; Ed.S., Peabody College, 1961; Ed. D., University of Arkansas, 1967. (1967-1984)

Edmond M. Parker . . . . . *Professor Emeritus of Engineering Sciences*
B.S., Southeastern Oklahoma State College, 1946; M.S., East Texas State University, 1950. (1947-72)

Woodrow W. Pate . . . . . *Professor Emeritus of Economics*
A.B., Henderson State College, 1936; M.A., Louisiana State University, 1938; Ph.D., University of North Carolina, 1949. (1949-1977)

Frances Mary Perkins Rabun . . . . . *Professor Emerita of Music*
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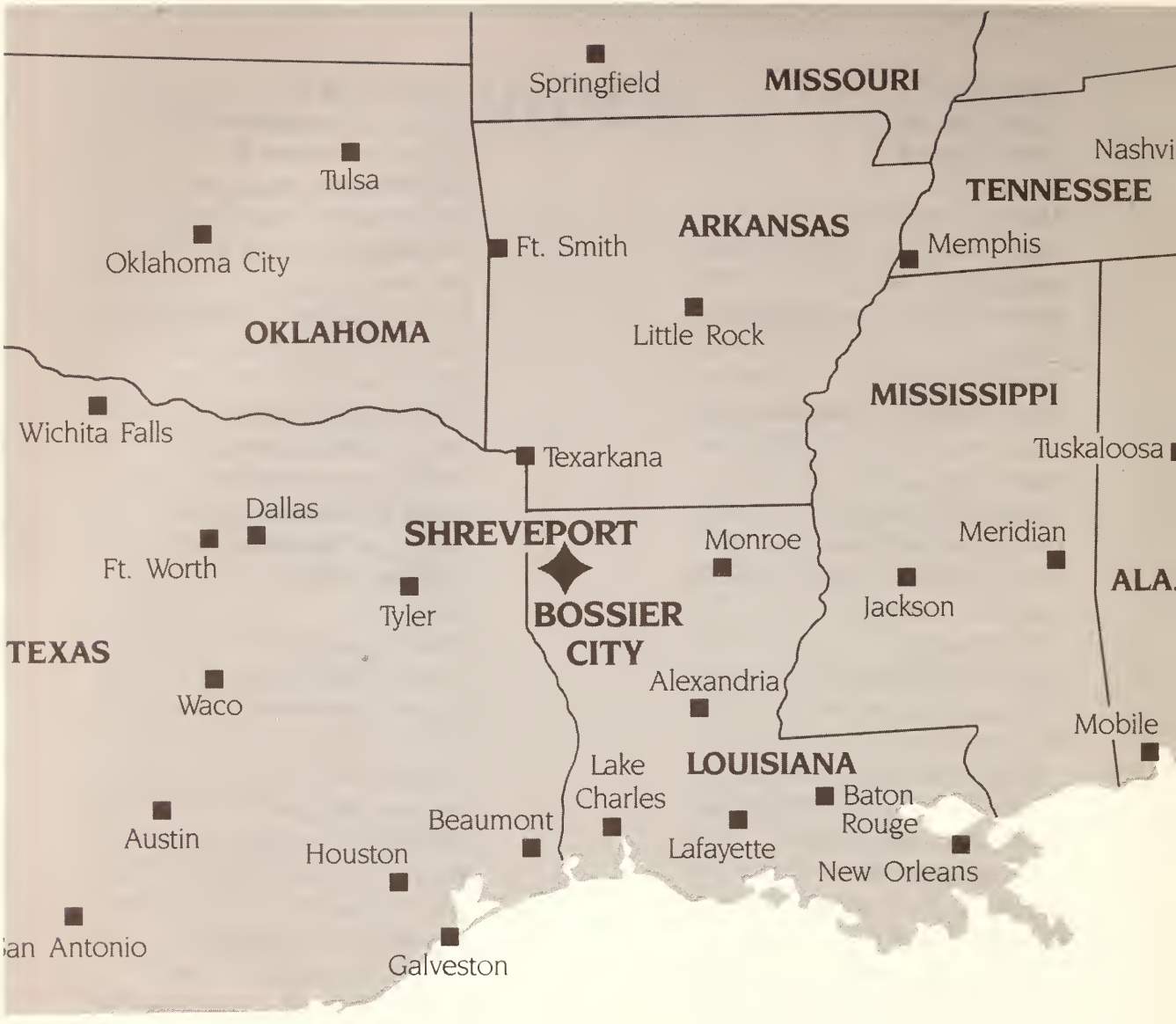

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